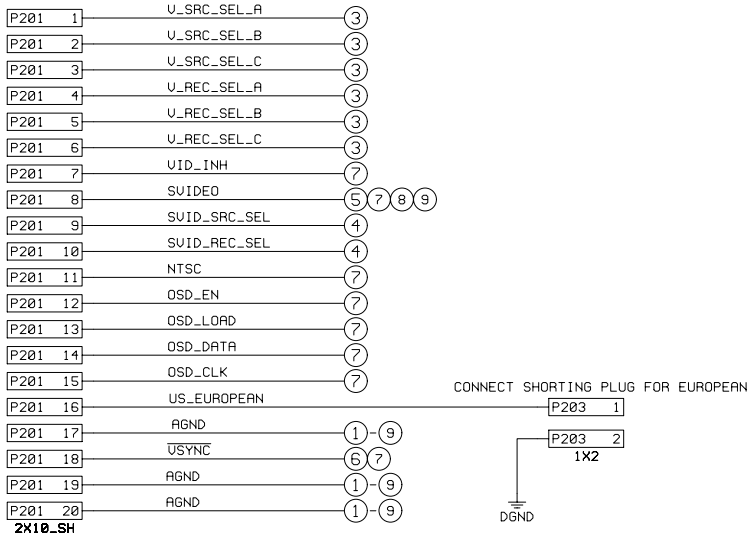
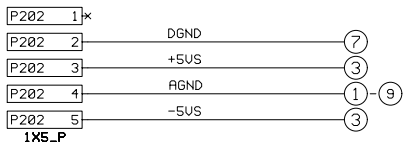




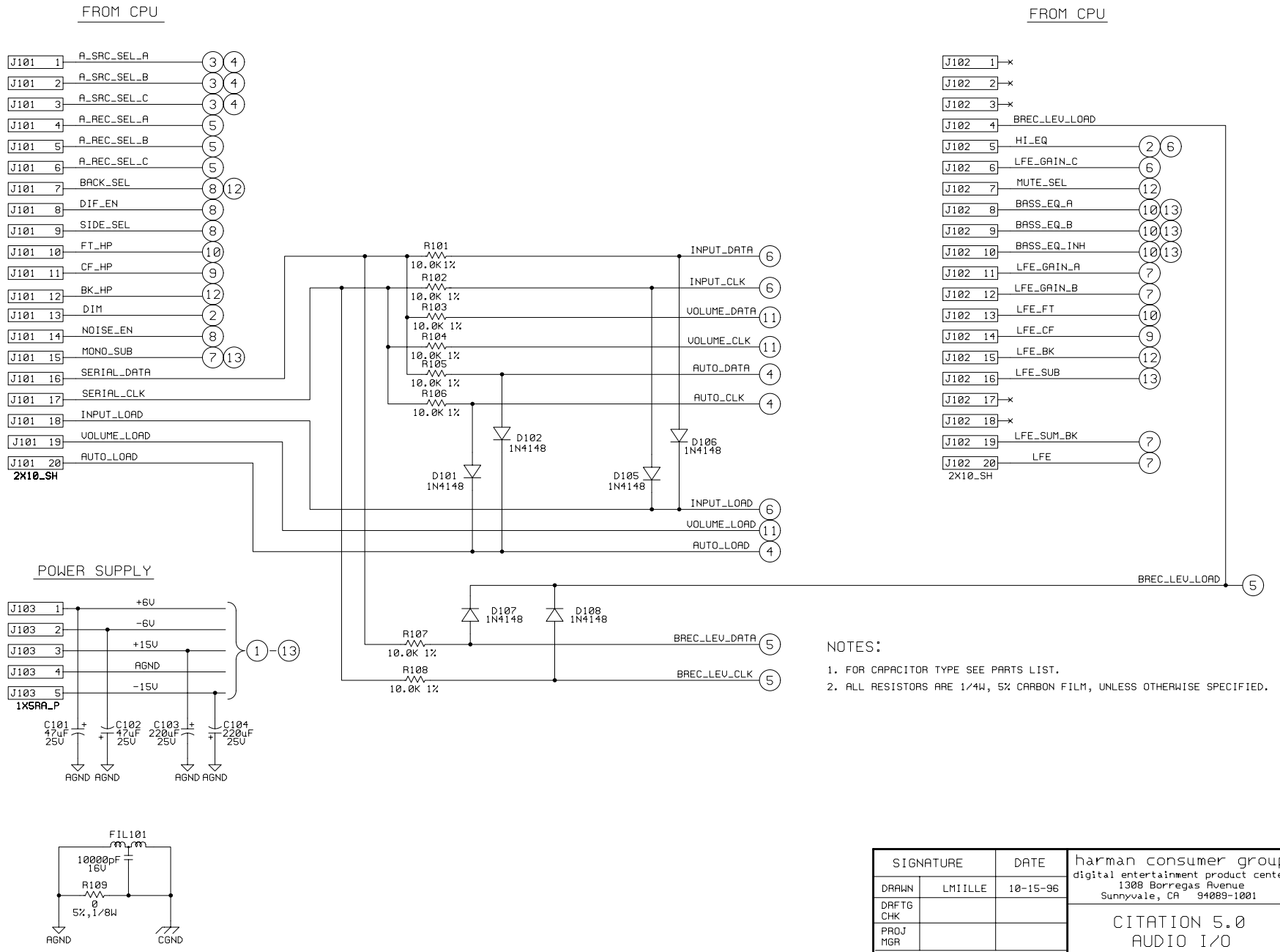
CITATION 5.0
VIDEO/NOSD

DWG. NO. 053-02036

REV. 05

SHEET 2 OF 9

CITATION 5.0 4-27-98 1:40 PM



NOTES:

1. FOR CAPACITOR TYPE SEE PARTS LIST.
2. ALL RESISTORS ARE 1/4W, 5% CARBON FILM, UNLESS OTHERWISE SPECIFIED.

SIGNATURE		DATE
DRAWN	LMIILLE	10-15-96
DRFTG CHK		
PROJ MGR		

CSAI006.SCH

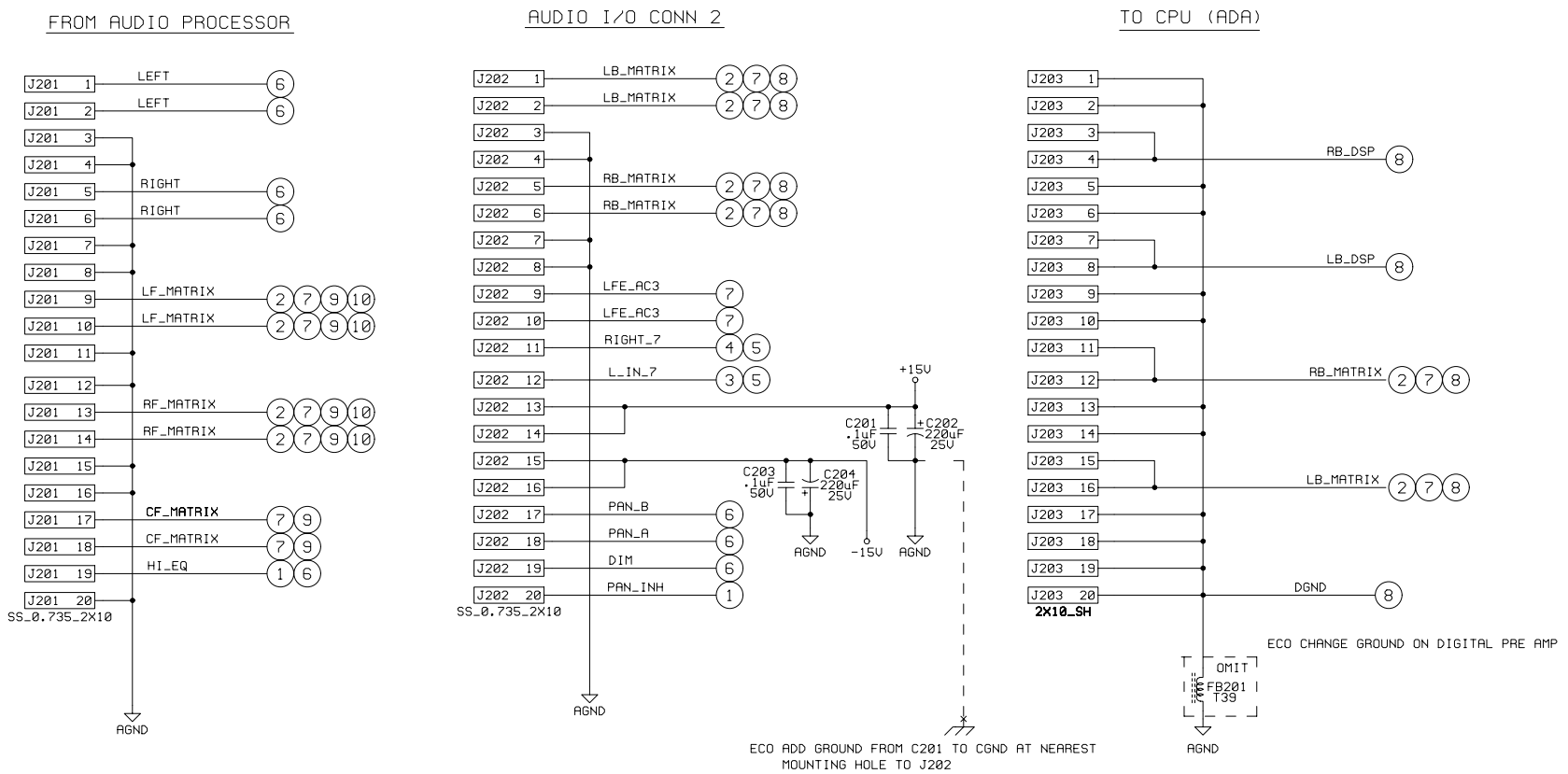
harman consumer group
digital entertainment product center
1308 Borregas Avenue
Sunnyvale, CA 94089-1001

CITATION 5.0
AUDIO I/O

DWG. NO. 05C-02036 REV. 06

SHEET 1 of 13

CITATION 5.0 12-30-98 11:15 AM

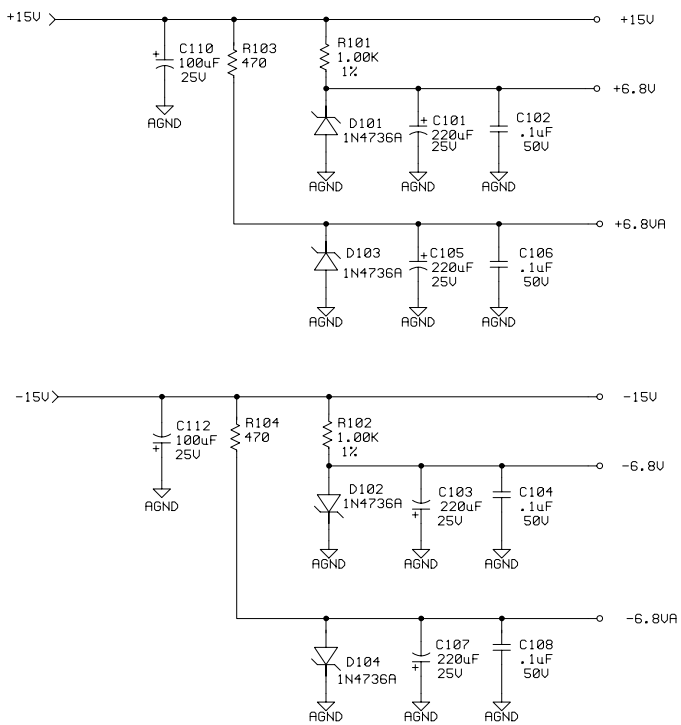


CITATION 5.0
AUDIO I/O

DWG. NO.	REV.
05C-02036	06

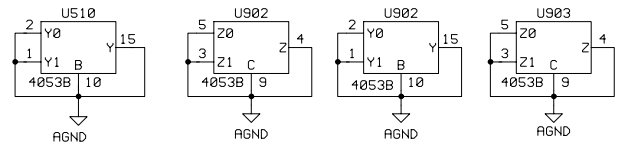
SHEET 2 OF 13

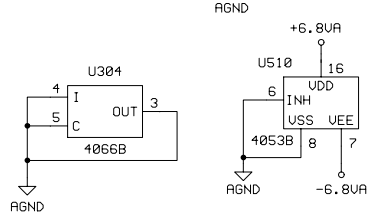
CITATION 5.0 12-30-98 11:15 AM

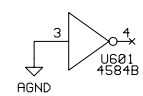


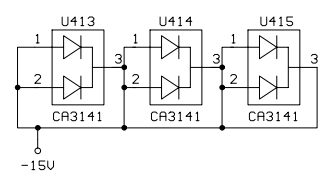
NOTES:

1. FOR CAPACITOR TYPE SEE PARTS LIST.
2. ALL RESISTORS ARE 1/4W, 5% CARBON FILM, UNLESS OTHERWISE SPECIFIED.









SIGNATURE		DATE
DRAWN	J.CHURCH	10/01/96
DRFTG CHK		
PROJ MGR		

C5AP06.SCH

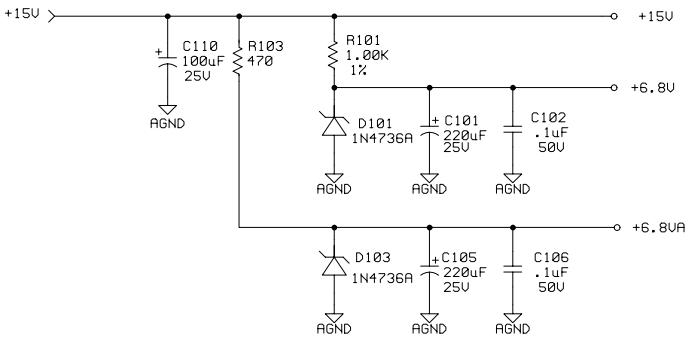
harman consumer group
digital entertainment product center
1308 Borregas Avenue
Sunnyvale, CA 94089-1001

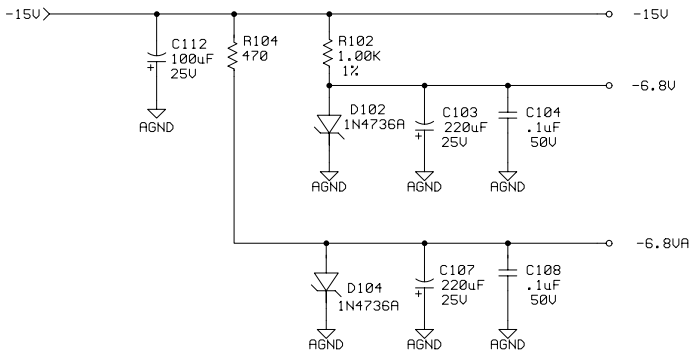
CITATION 5.0
AUDIO PROCESSOR

DWG. NO. 052-02036 REV. 06

SHEET 1 OF 11

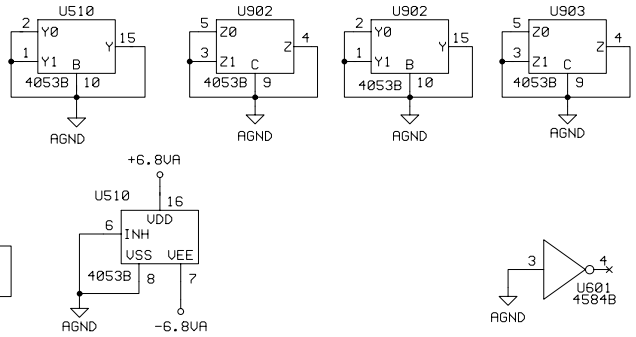
CITATION 5.0 11-12-98 12:30 P.M.

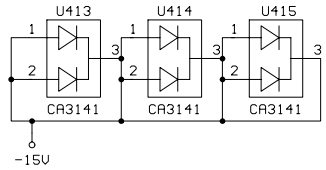




NOTES:

1. FOR CAPACITOR TYPE SEE PARTS LIST.
2. ALL RESISTORS ARE 1/4W, 5% CARBON FILM, UNLESS OTHERWISE SPECIFIED.





SIGNATURE		DATE
DRAWN	J.CHURCH	10/01/96
DRFTG CHK		
PROJ MGR		
C5AP02.SCH		

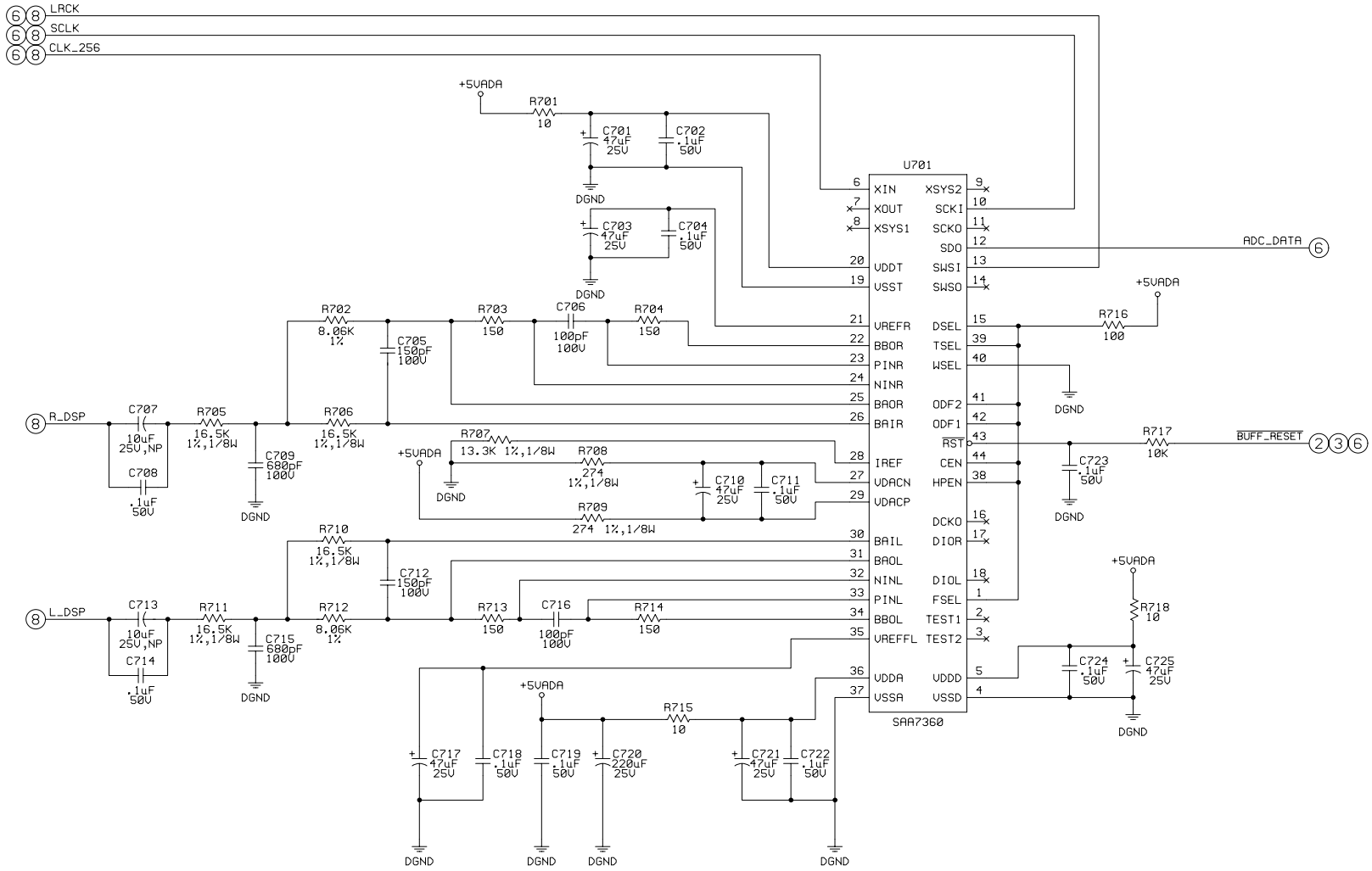
harman consumer group
digital entertainment product center
1308 Borregas Avenue
Sunnyvale, CA 94089-1001

CITATION 5.0 AUDIO PROCESSOR

DWG. NO. 052-02036 REV. 02

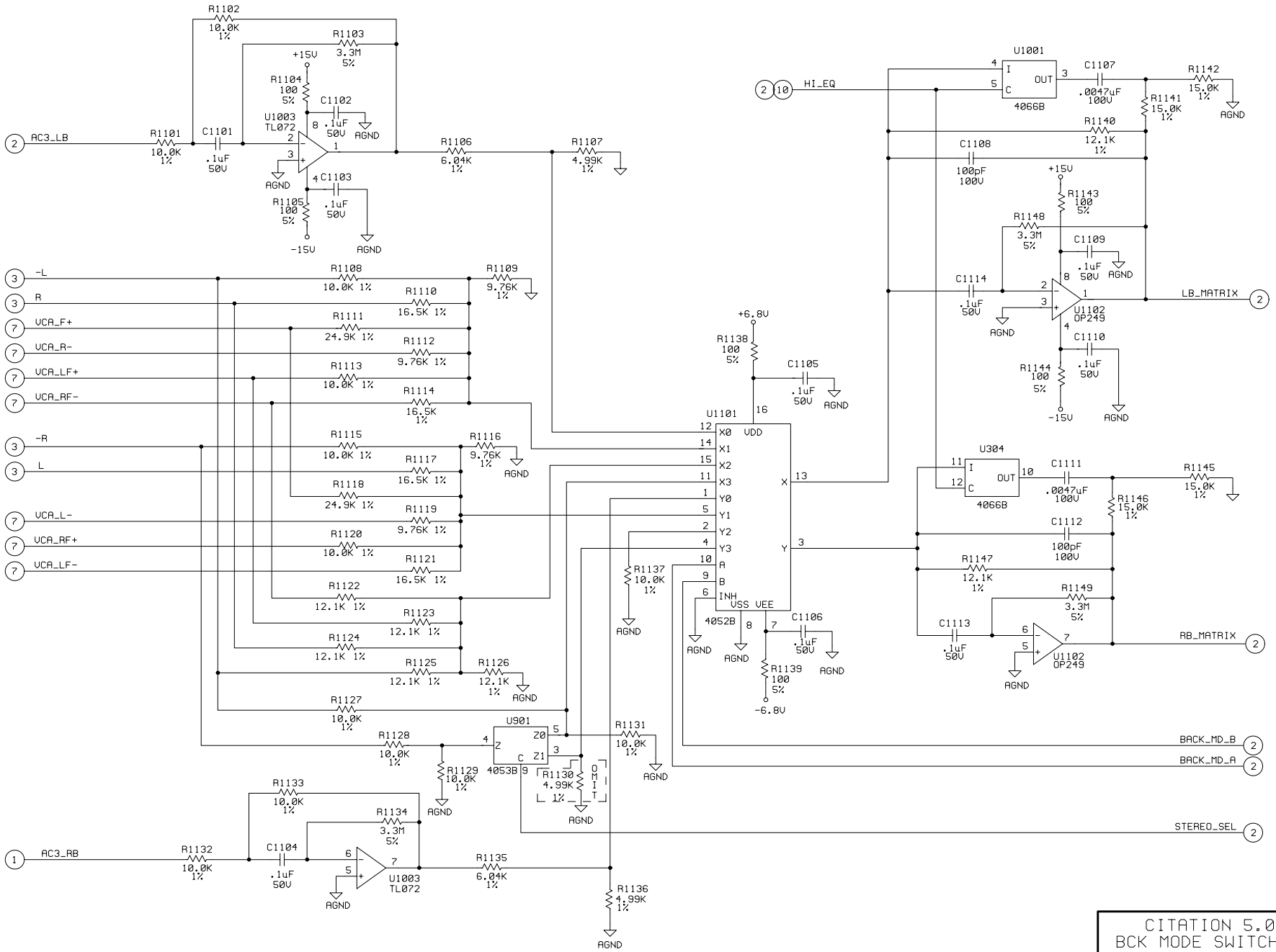
SHEET 1 OF 11

CITATION 5.0 11-11-97 7:55 A.M.



CITATION 5.0 A/D CONVERTER	
DWG. NO. 05A-02036	REV. 04
SHEET 7 OF 8	

CITATION 5.0 11-12-98 9:15 AM



CITATION 5.0
BCK MODE SWITCH 1

DWG. NO.	REV.
052-02036	06

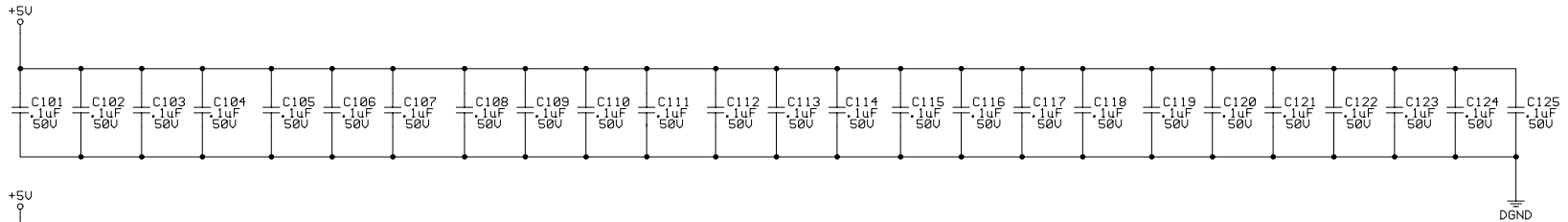
SHEET 11 OF 11

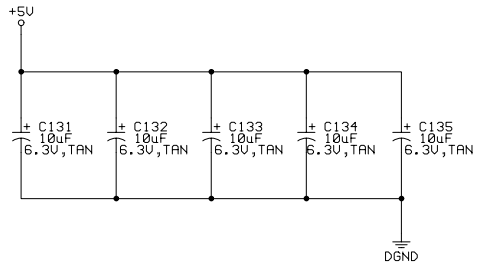
CITATION 5.0 11-12-98 12:30 P.M.

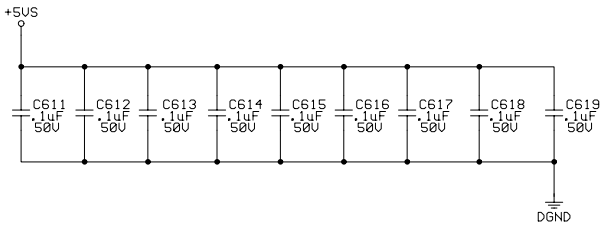
IC CHART						
TYPE	VOLTAGE/PIN NO.				REFERENCE DESIGNATOR CHART	BYPASS CAP
	V+	AGND	+5V	DGND		
LF353			N/A	N/A		
	SHOWN ON SCH		N/A	N/A		
			N/A	N/A		
			N/A	N/A		
			N/A	N/A		
			N/A	N/A		
			N/A	N/A		
			N/A	N/A		
	N/A	N/A	N/A	N/A		
	N/A	N/A				
	N/A	N/A				
	N/A	N/A				
	N/A	N/A				
	N/A	N/A				
	N/A	N/A				
	N/A	N/A				
	N/A	N/A				
	N/A	N/A				
	N/A	N/A				
	N/A	N/A				
	N/A	N/A				
	N/A	N/A				

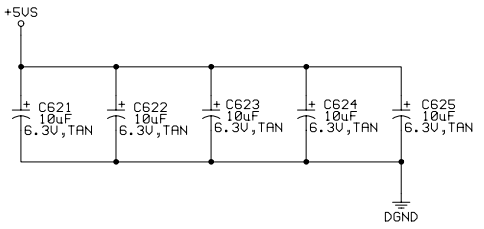
NOTES:

1. FOR CAPACITOR TYPE SEE PARTS LIST.
2. ALL RESISTORS ARE 1/8W, 5% CARBON FILM, UNLESS OTHERWISE SPECIFIED.









SIGNATURE		DATE
DRAWN	DJ CLARK	10-17-96
DRFTG CHK		
PROJ MGR		

C5CPU04.SCH

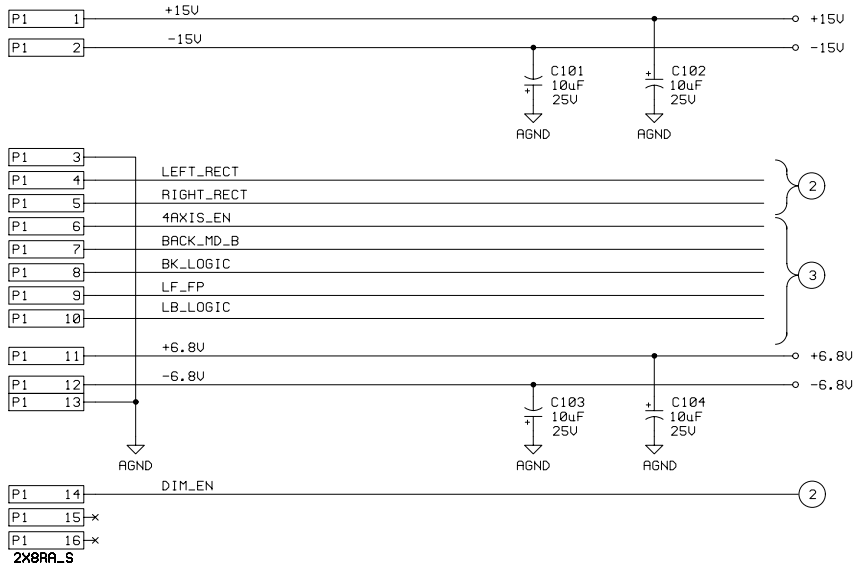
Harman Consumer Group
Digital Entertainment Product Center
1308 Borregas Avenue
Sunnyvale, CA 94089-1001

CITATION 5.0
CPU

DWG. NO. 05A-02036 REV. 04

SHEET 1 OF 8

CITATION 5.0 11-12-98 9:15 AM



SIGNATURE		DATE
DRAWN	J.CHURCH	11/25/96
DRFTG CHK		
PROJ MGR		

CIT5FPP1.PCB

Harman Specialty Center
26046 Eden Landing Road
Hayward, CA 94545

CIT5 DISPLAY CONNECTORS

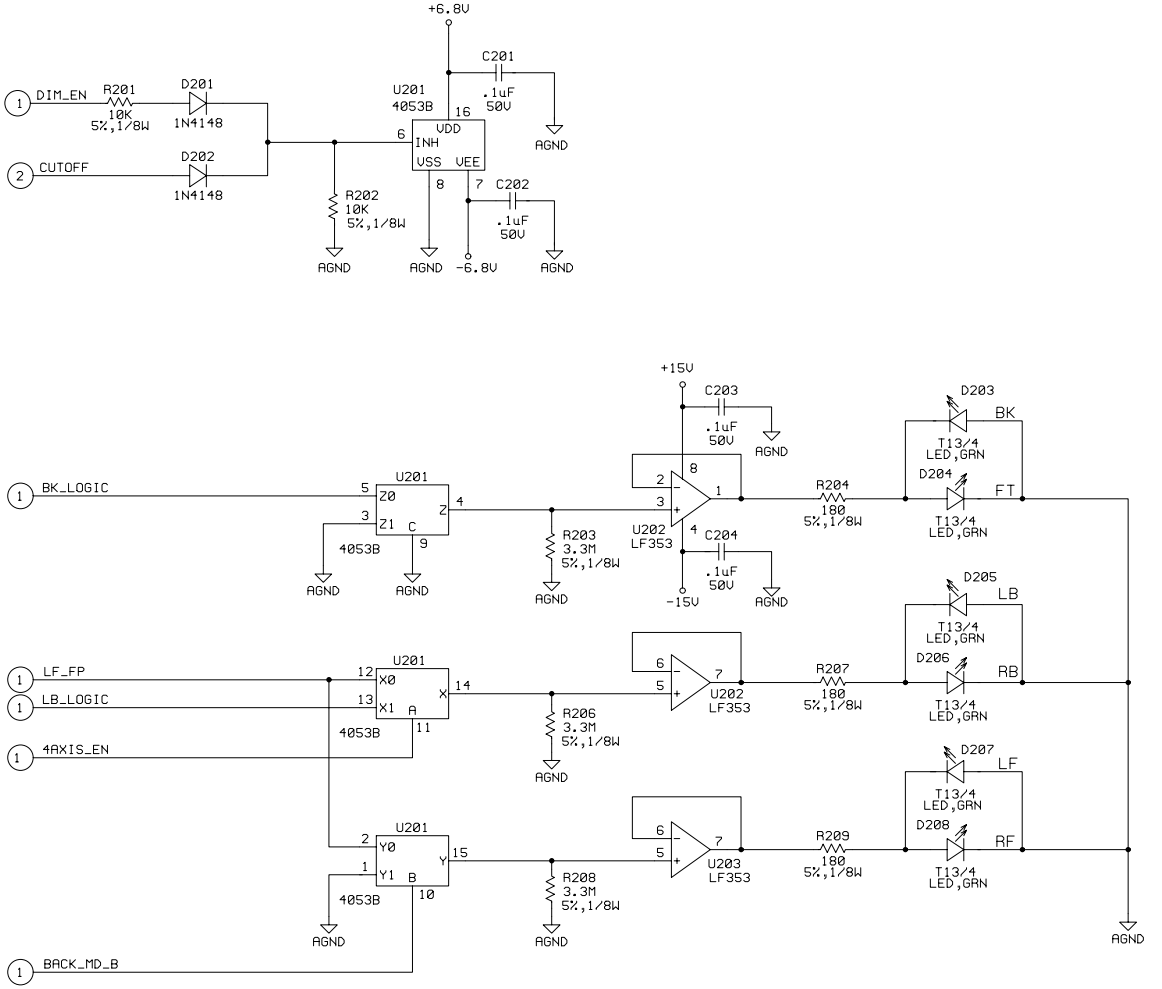
DWG. NO.

REV. P1

SHEET 1 OF 3

CSDSPLAY.SCH_NOV.25,1996

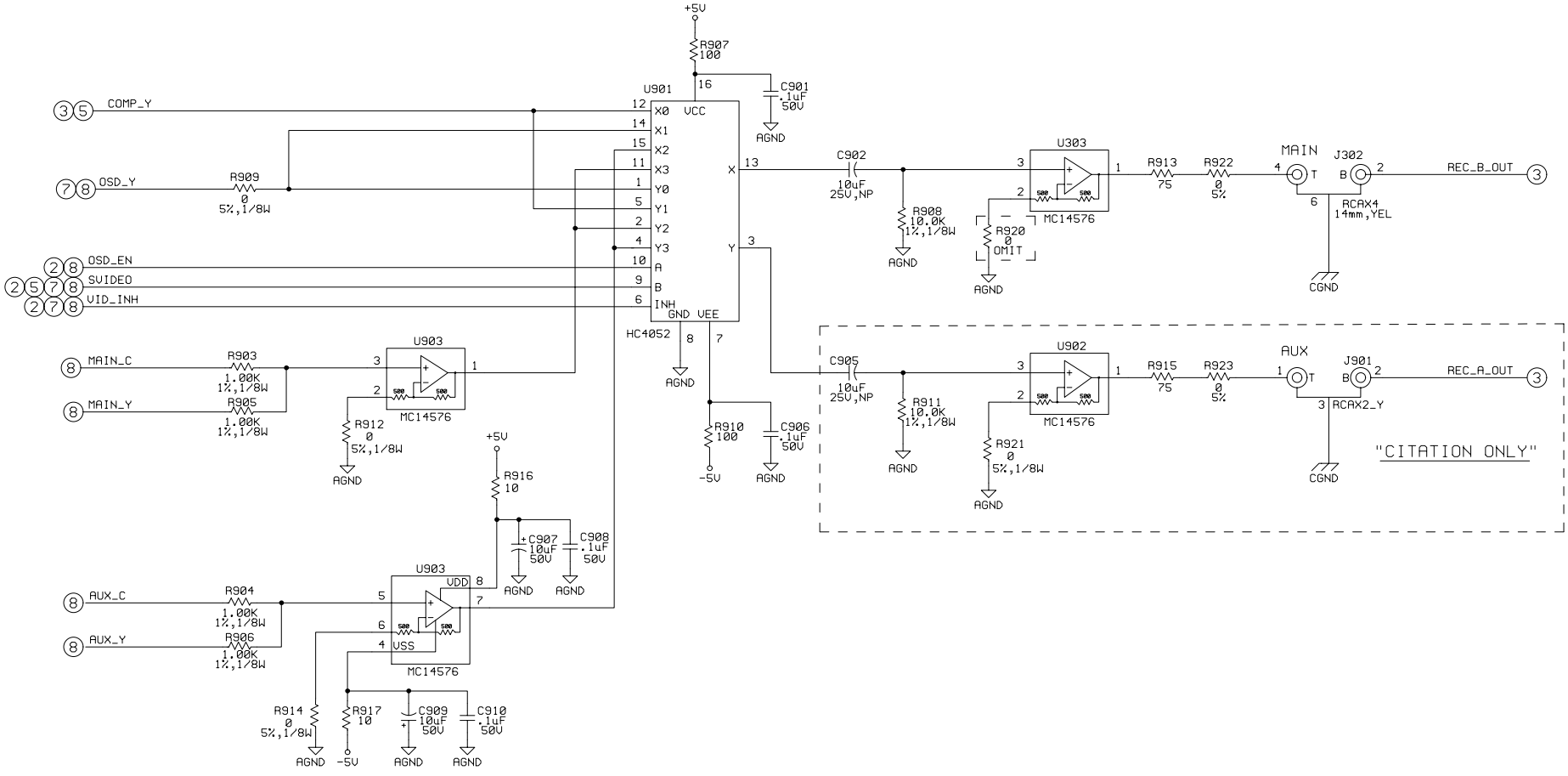
CITATIONS



CIT5 DISPLAY LEVEL INDICATOR	
DWG. NO. XXX-XXXXX	REV. P1
SHEET 3 OF 3	

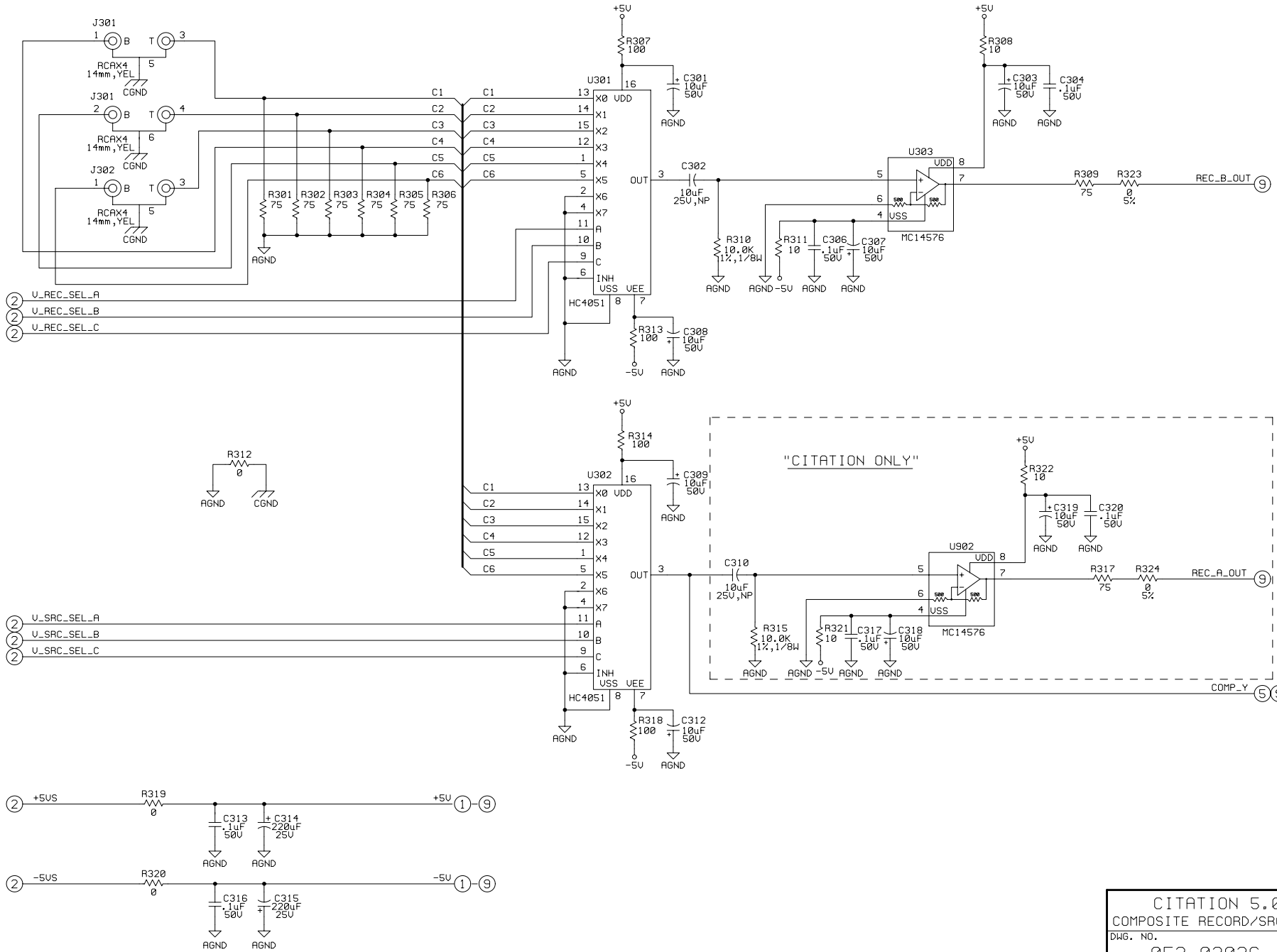
C5DSPLAY.SCH_NOV.25,1996

× CITATIONS



CITATION 5.0 COMP OUT	
DWG. NO. 053-02036	REV. 05
SHEET 9 OF 9	

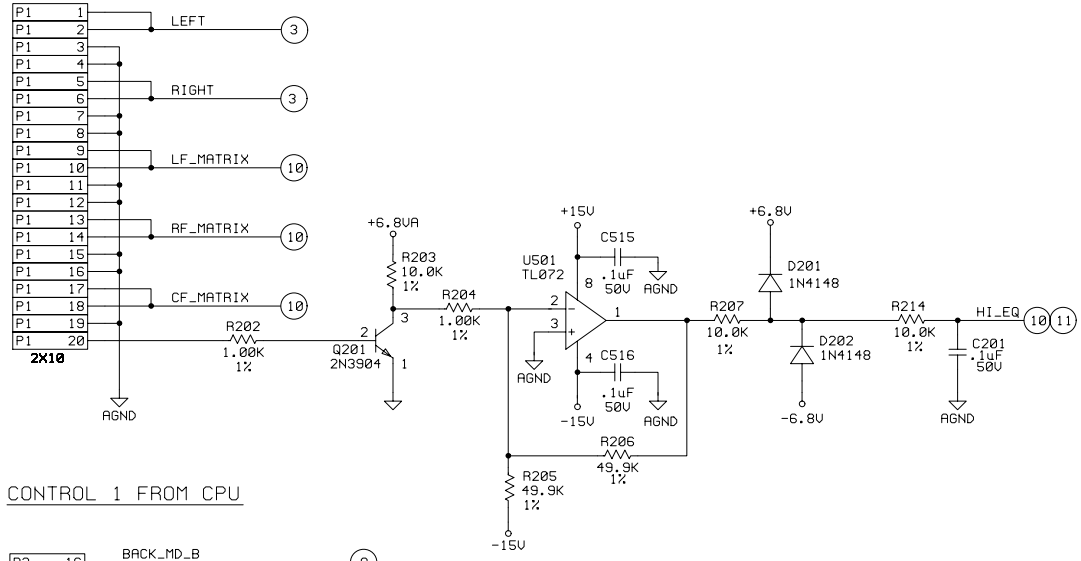
CITATION 5.0 4-27-98 1:40 PM



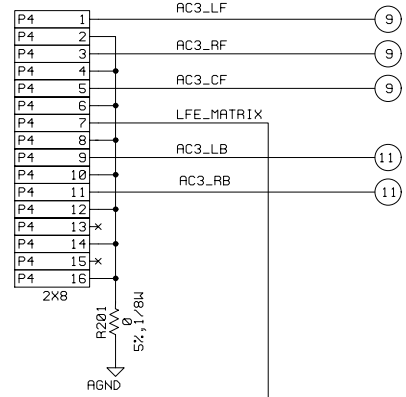
CITATION 5.0	
COMPOSITE RECORD/SRC SEL	
DWG. NO. 053-02036	REV. 05
SHEET 3 OF 9	

CITATION 5.0 4-27-98 1:40 PM

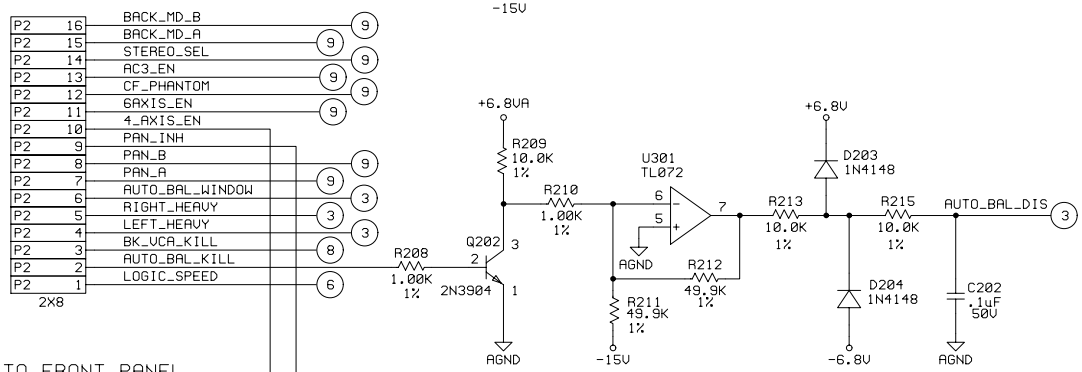
AUDIO 1 TO I/O



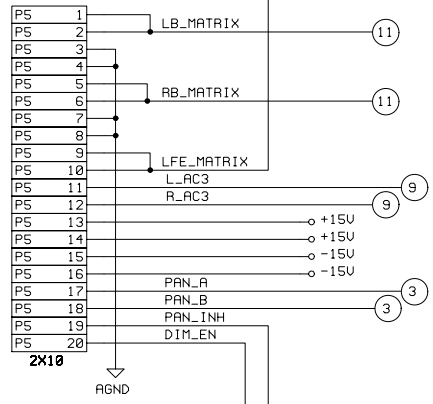
AC3 FROM DSP



CONTROL 1 FROM CPU

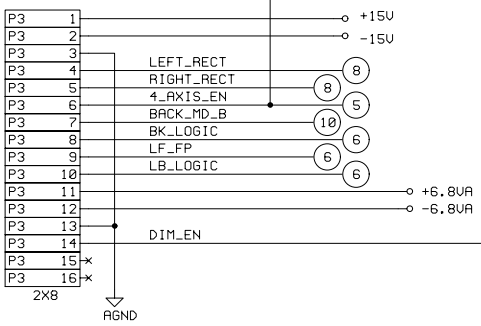


AUDIO 2 TO I/O



SEE ECO# 980201

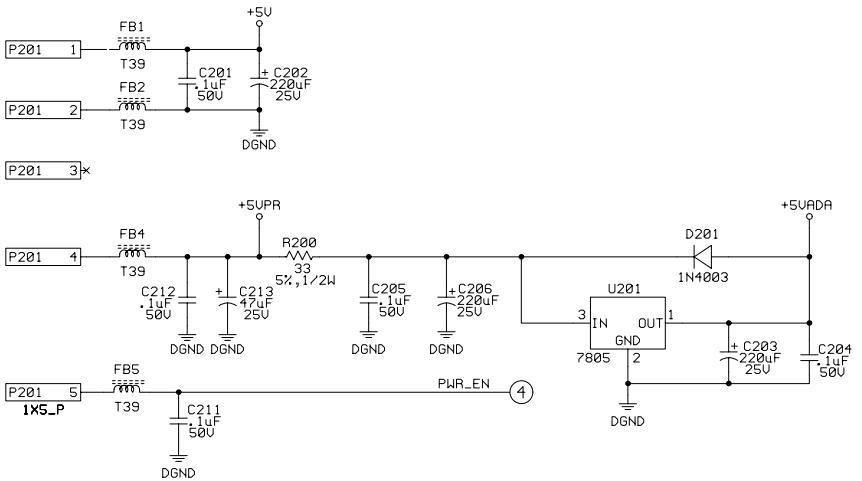
TO FRONT PANEL



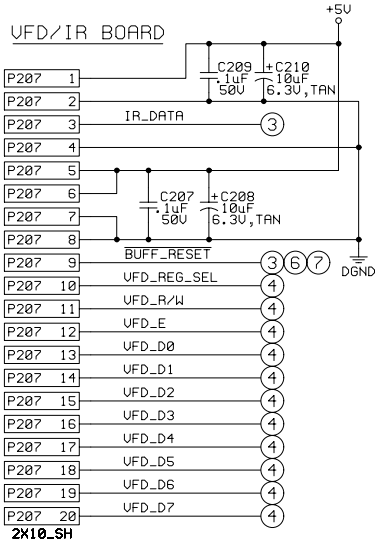
CITATION 5.0 CONNECTORS	
DWG. NO. 052-02036	REV. 06
SHEET 2 OF 11	

CITATION 5.0 11-12-98 12:30 P.M.

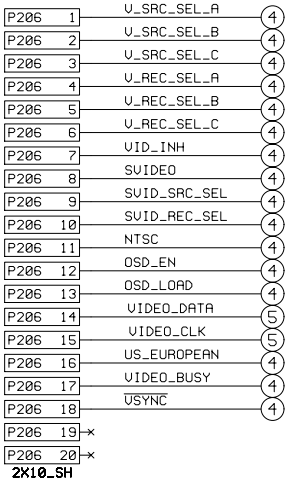
POWER CONNECTOR



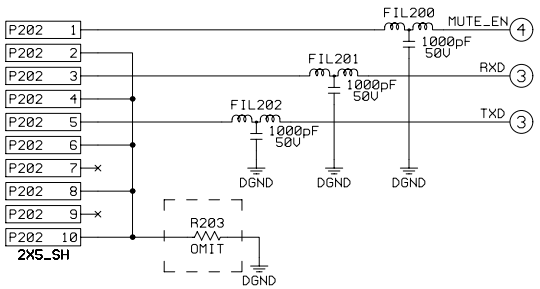
VFD/IR BOARD



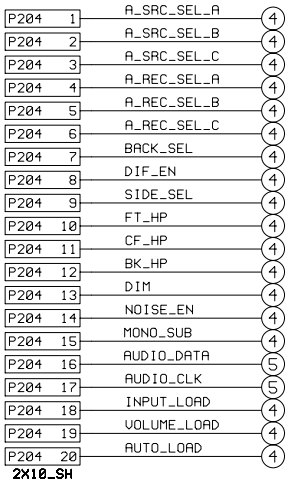
VIDEO BOARD



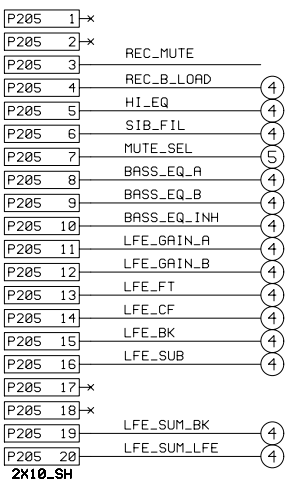
DSP BOARD



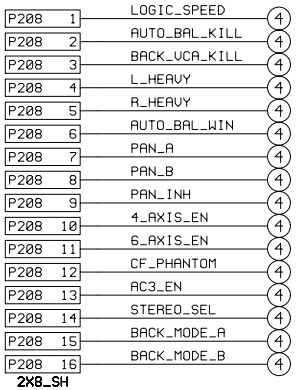
AUDIO I/O CONN 1



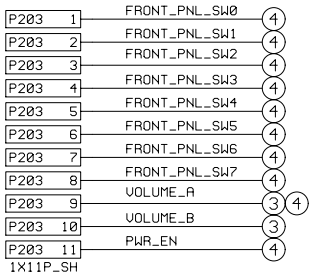
AUDIO I/O CONN 2



AUDIO PROCESSOR

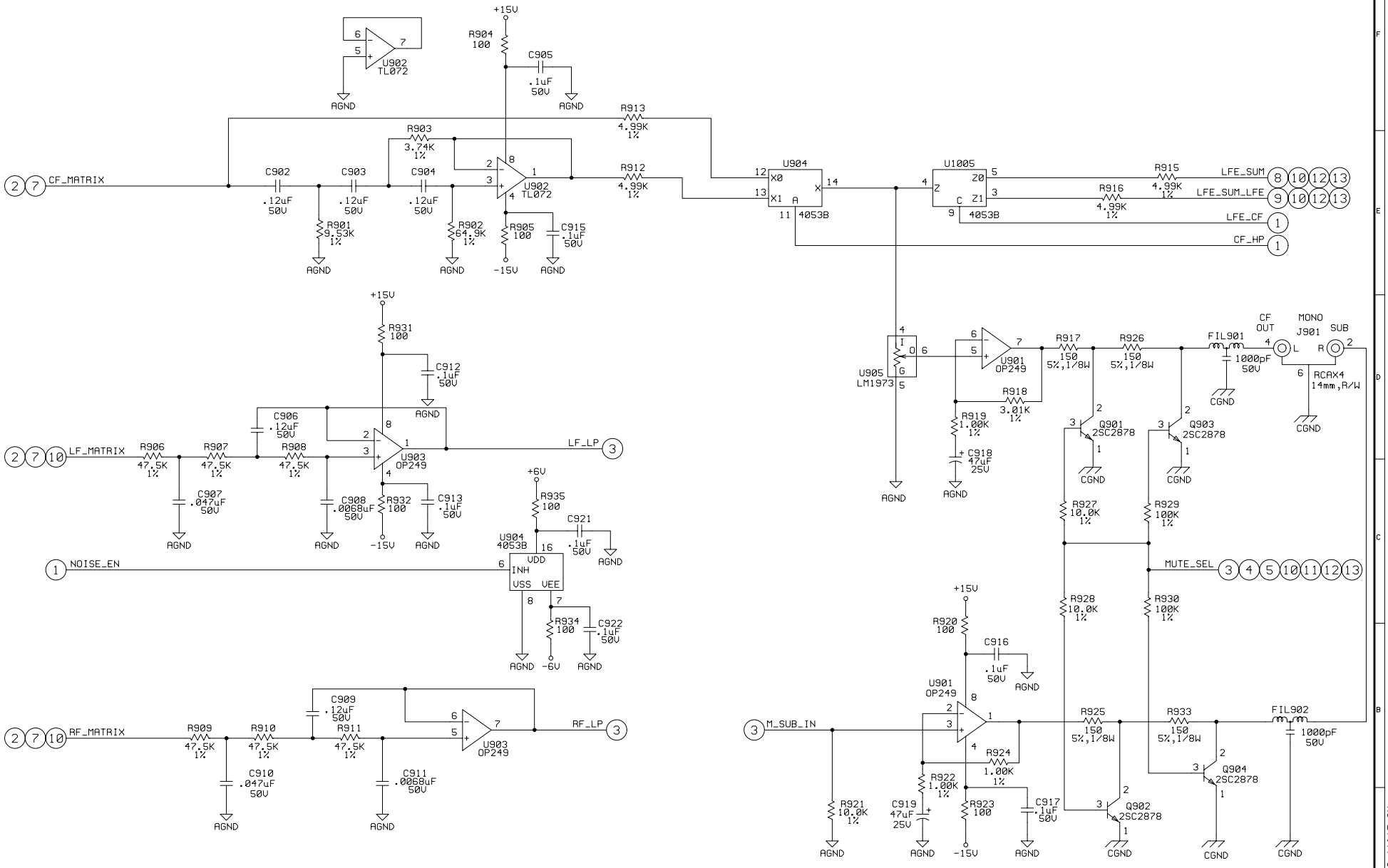


FRONT PANEL BOARD



CITATION 5.0 CONNECTORS	
DWG. NO. 05A-02036	REV. 04
SHEET 2 OF 8	

CITATION 5.0 11-12-98 9:15 AM

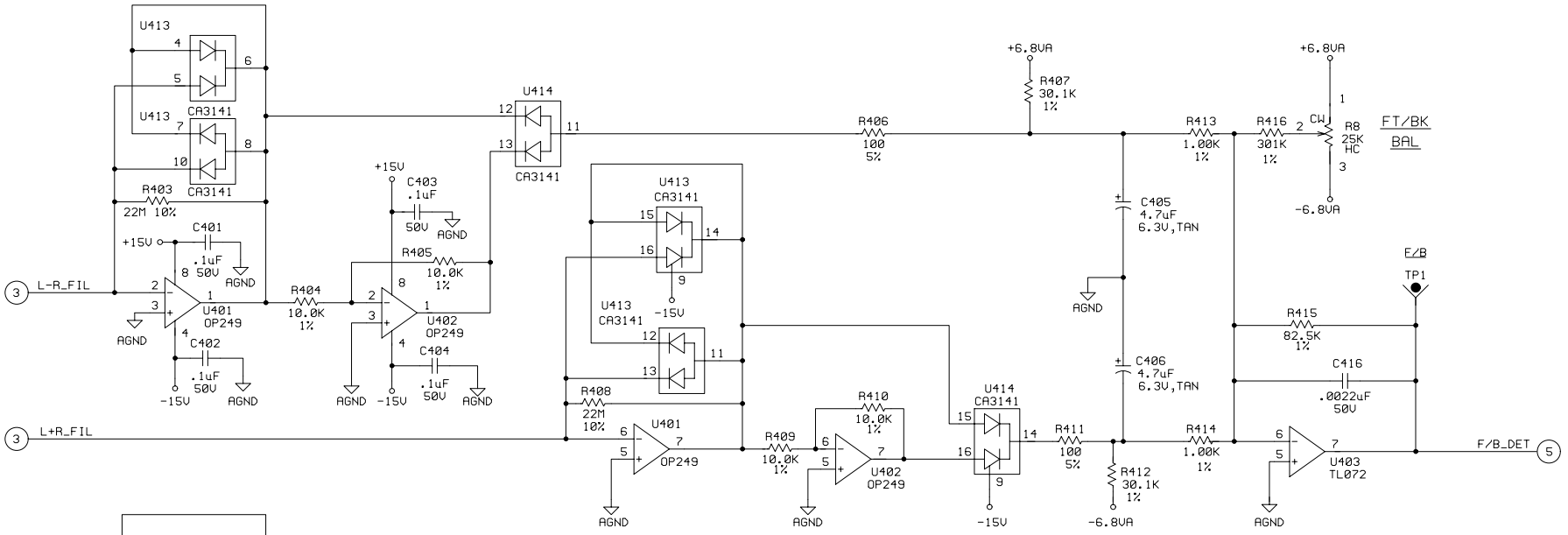


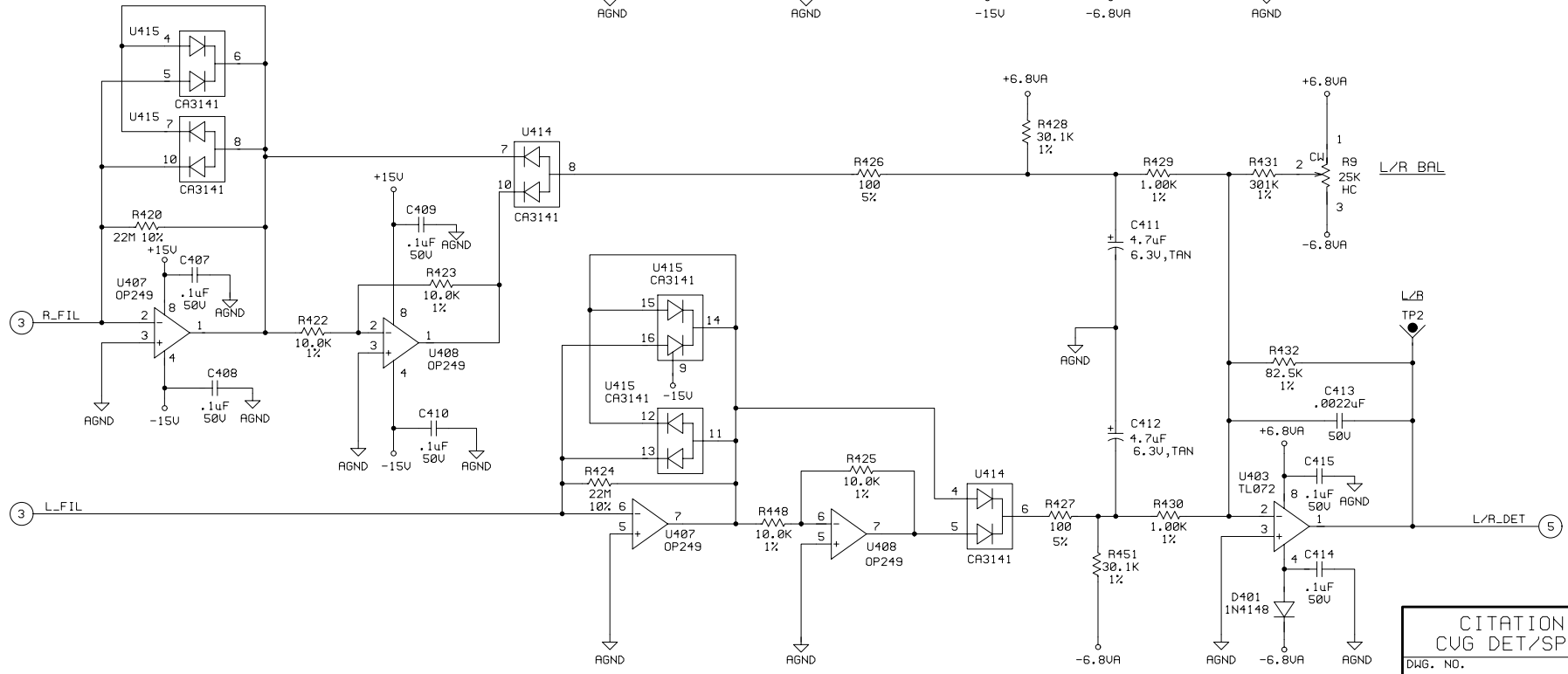
CITATION 5.0
CF/MONO SUB OUT

DWG. NO.	REV.
05C-02036	06

SHEET 9 OF 13

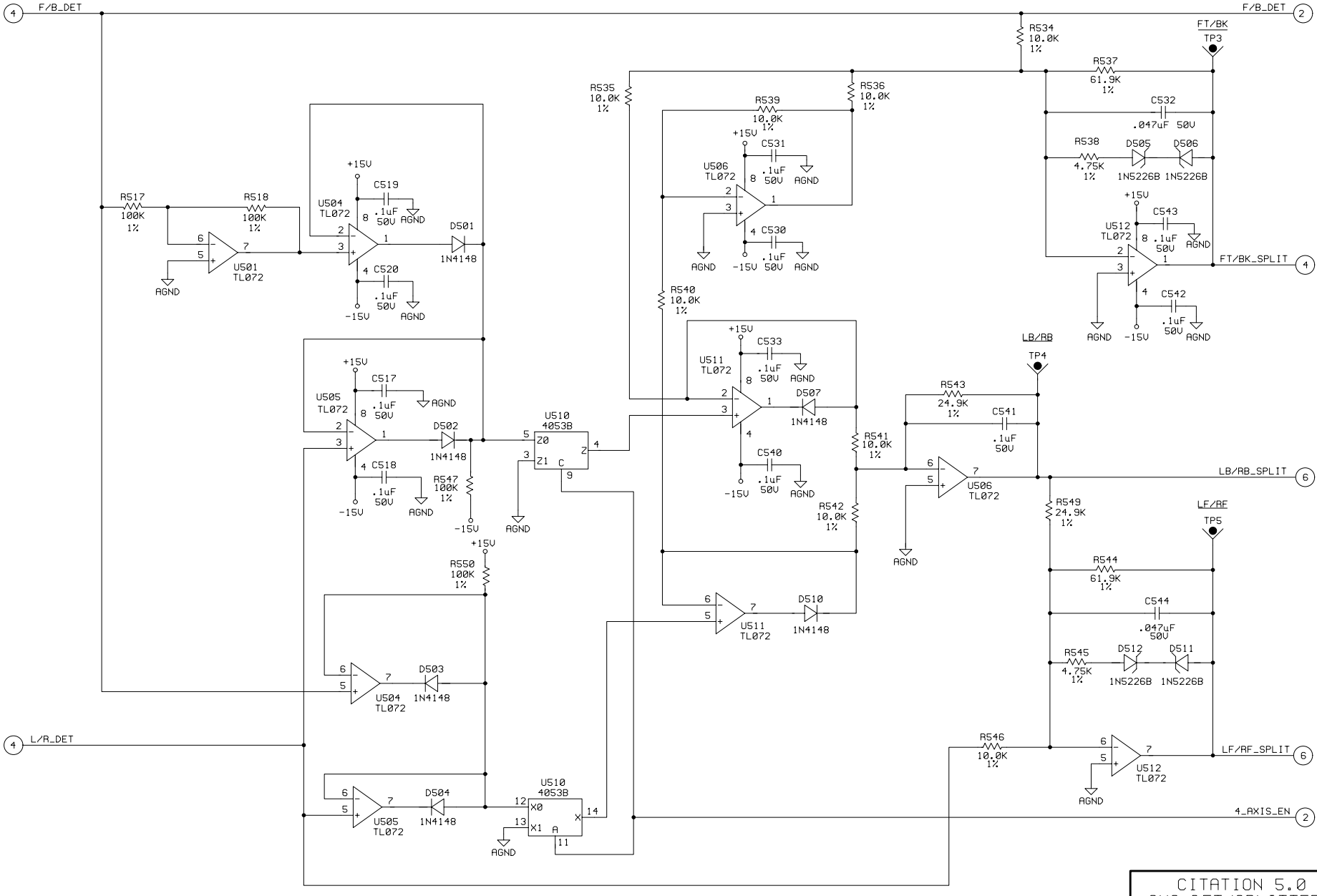
CITATION 5.0 12-30-98 11:15 AM





CITATION 5.0 CVG DET/SPLITTER	
DWG. NO. 052-02036	REV. 06
SHEET 4 OF 11	

CITATION 5.0 11-12-98 12:30 P.M.

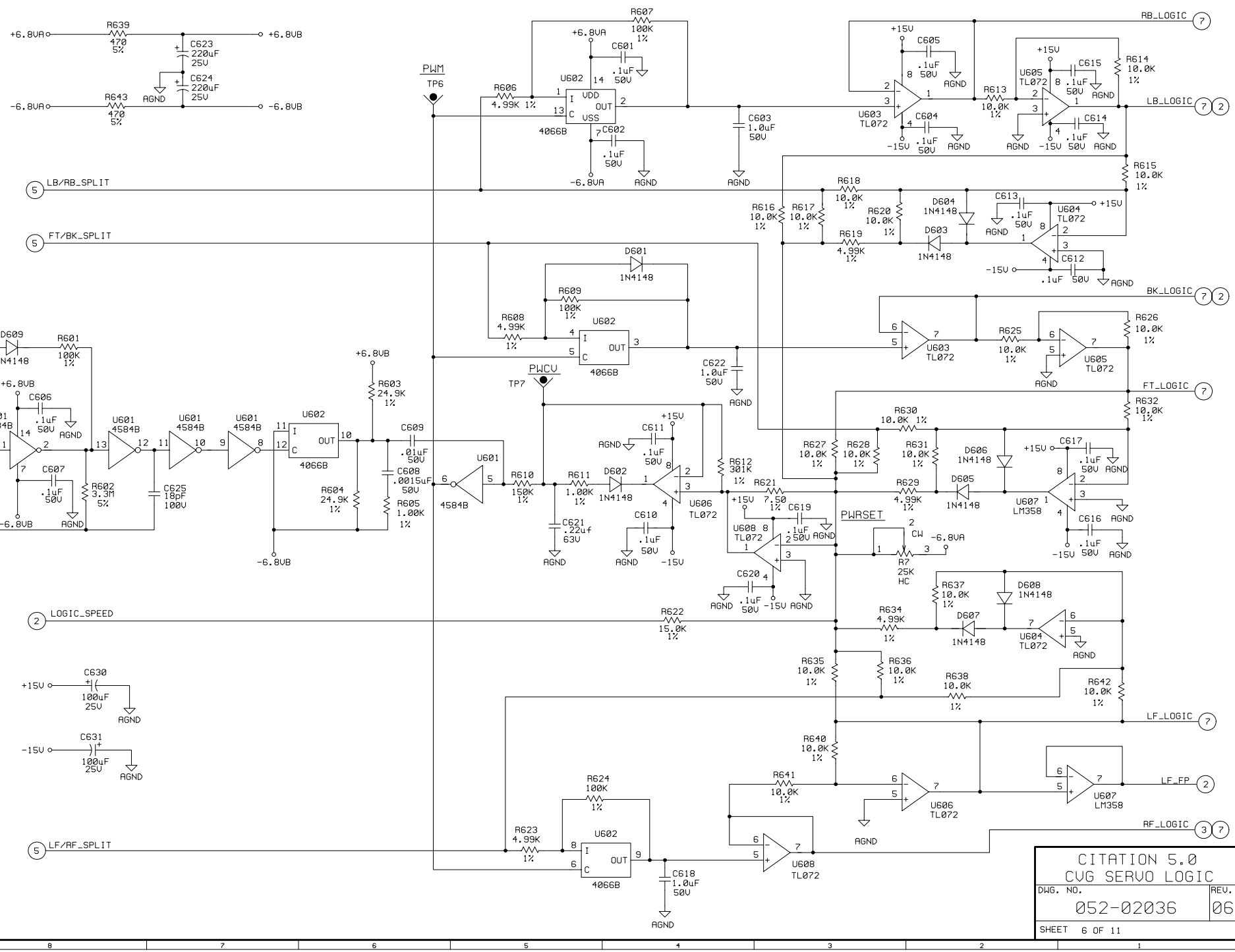


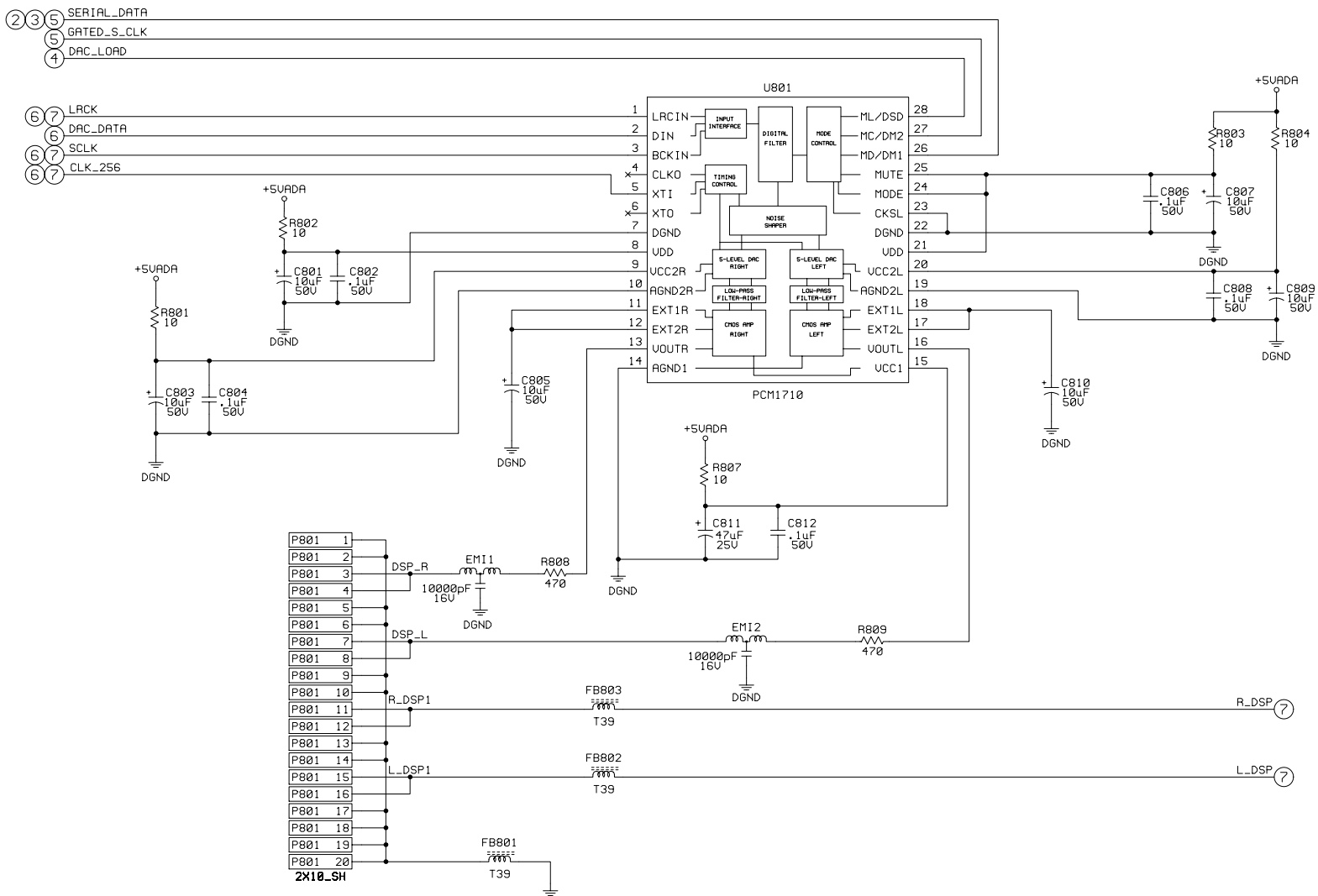
CITATION 5.0
CVG DET/SPLITTER2

DWG. NO.	REV.
052-02036	06

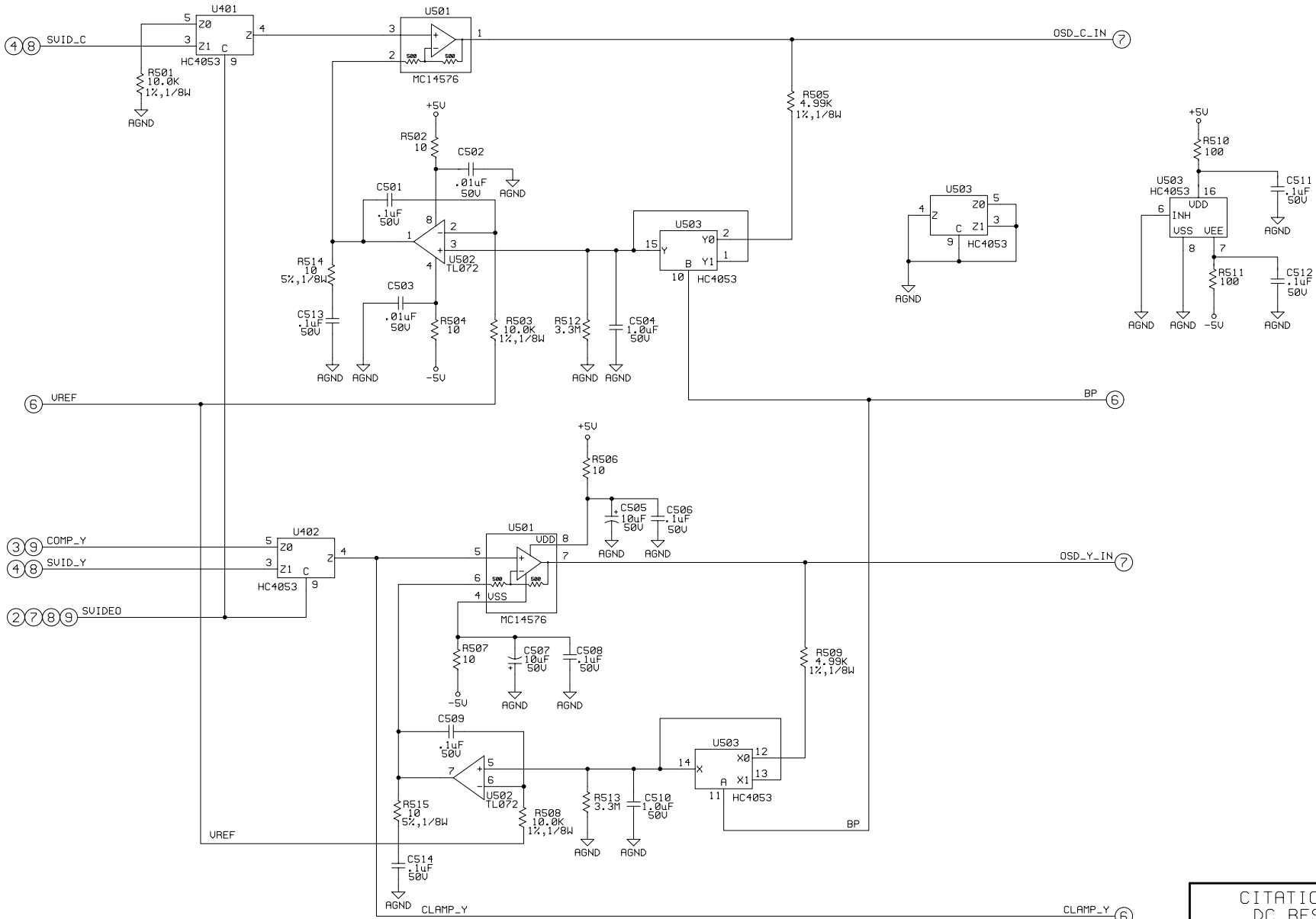
SHEET 5 OF 11

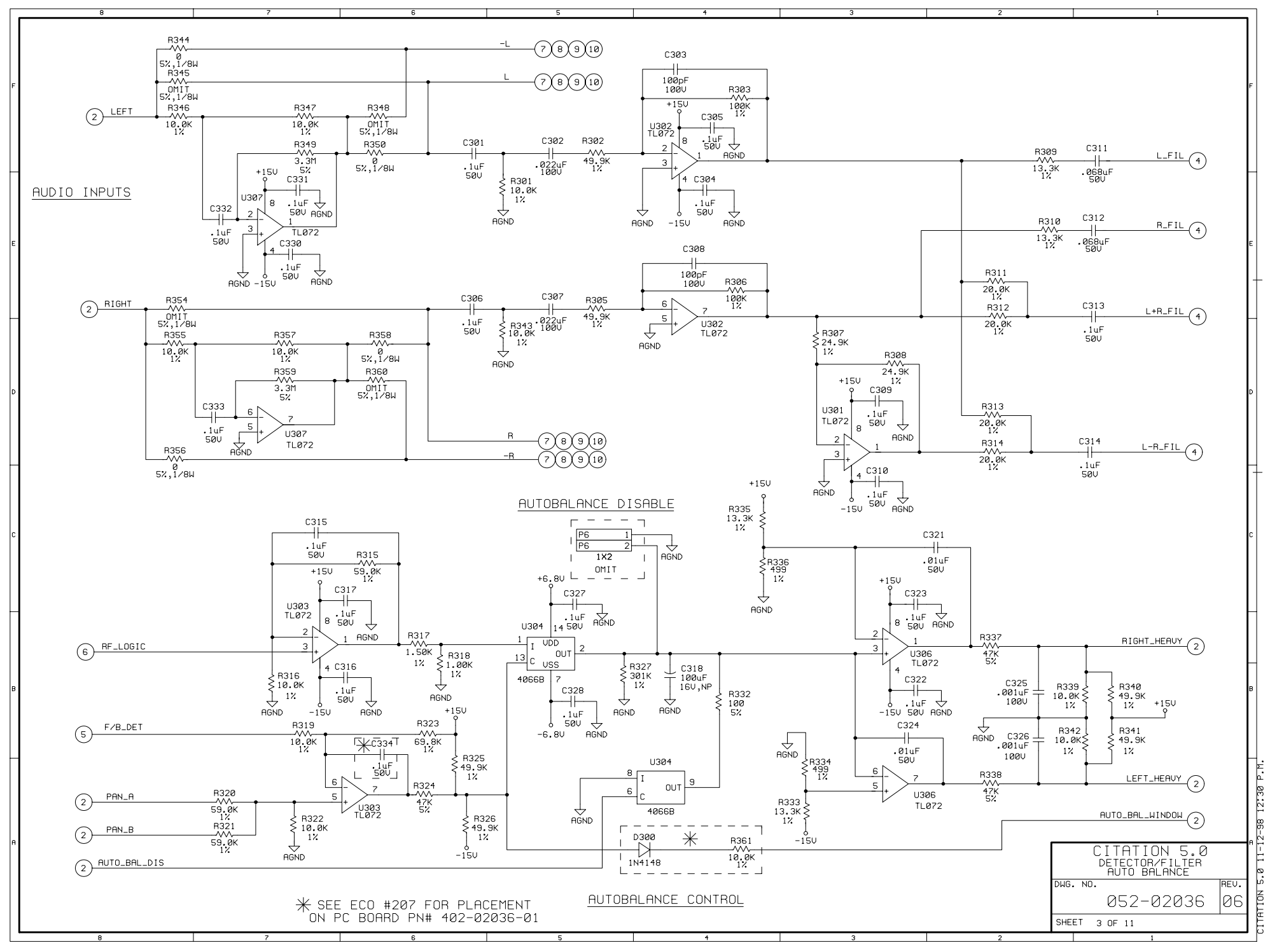
CITATION 5.0 11-12-98 12:30 P.M.

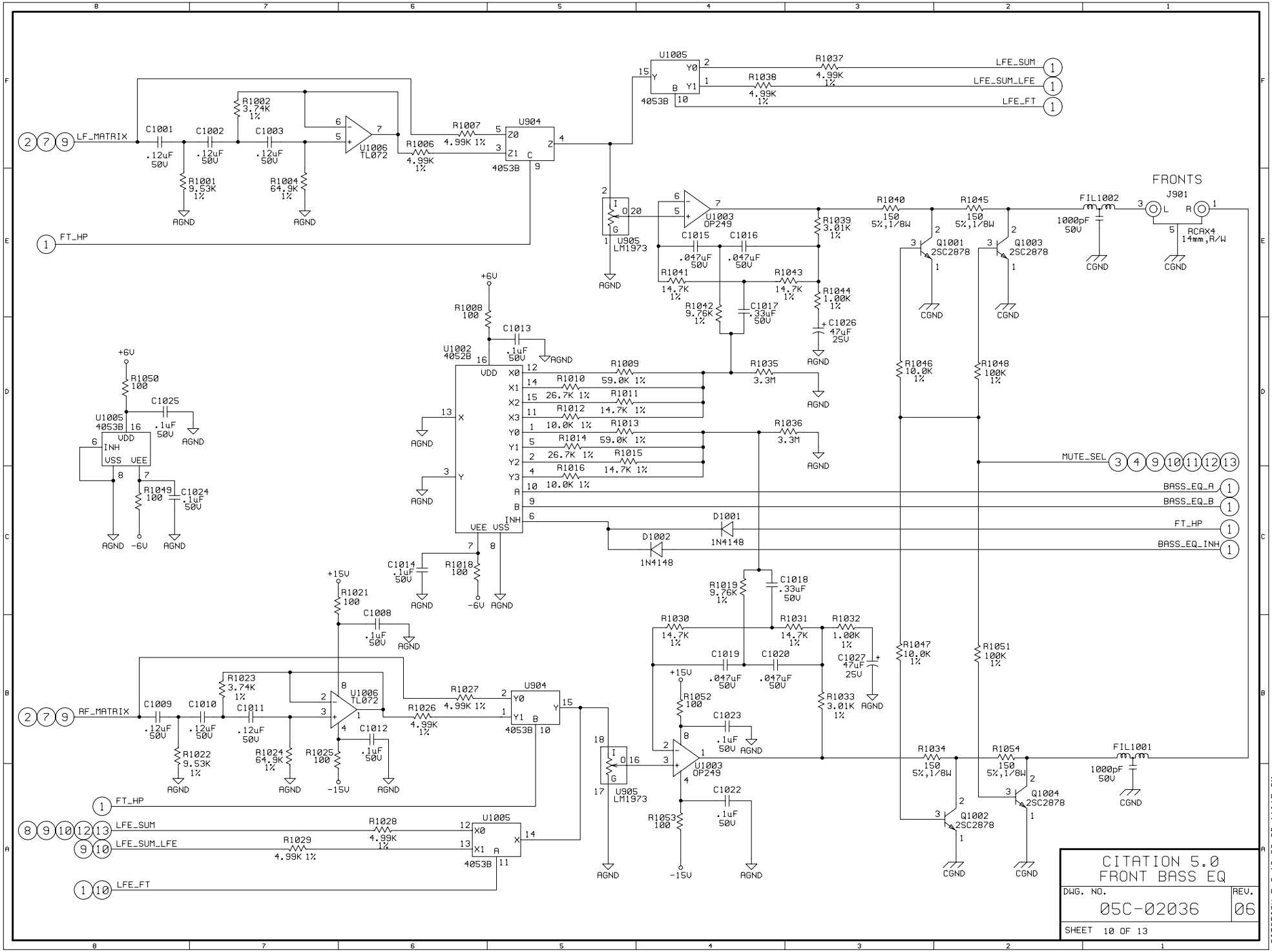

+6.8VA
R639
470
5%
+6.8VB
C623
220uF
25V
C624
220uF
25V
AGND
-6.8VA
R643
470
5%
-6.8VB
PWM
TP6
R607
100K
1%
+6.8VA
C601
.1uF
50V
U602
VDD
OUT
VSS
4066B
R606
4.99K 1%
C602
.1uF
50V
-6.8VA
AGND
C603
1.0uF
50V
+15V
C605
.1uF
50V
U603
TL072
-15V
C604
.1uF
50V
R613
10.0K
1%
U605
TL072
C615
.1uF
50V
C614
.1uF
50V
R614
10.0K
1%
RB_LOGIC
LB_LOGIC
LB/RB_SPLIT
R615
10.0K
1%
R618
10.0K
1%
R616
10.0K
1%
R617
10.0K
1%
R620
10.0K
1%
R619
4.99K
1%
D604
1N4148
D603
1N4148
C613
.1uF
50V
U604
TL072
C612
.1uF
50V
FT/BK_SPLIT
D601
1N4148
R609
100K
1%
R608
4.99K
1%
U602
4066B
C622
1.0uF
50V
BK_LOGIC
R625
10.0K
1%
R626
10.0K
1%
U605
TL072
D609
1N4148
R601
100K
1%
+6.8VB
C606
.1uF
50V
U601
4584B
C607
.1uF
50V
R602
3.3M
5%
C625
18pF
100V
-6.8VB
R603
24.9K
1%
C609
.01uF
50V
C608
.0015uF
50V
R605
1.00K
1%
R604
24.9K
1%
PWCV
TP7
R610
150K
1%
R611
1.00K
1%
D602
1N4148
C611
.1uF
50V
C610
.1uF
50V
C621
.22uf
63V
U606
TL072
R612
301K
1%
R621
7.50
1%
C619
.1uF
50V
U608
TL072
C620
.1uF
50V
R7
25K
HC
CW
-6.8VA
PWRSET
FT_LOGIC
R630
10.0K 1%
R632
10.0K
1%
R627
10.0K
1%
R628
10.0K
1%
R631
10.0K
1%
D606
1N4148
R629
4.99K
1%
D605
1N4148
C617
.1uF
50V
U607
LM358
C616
.1uF
50V
LOGIC_SPEED
R622
15.0K
1%
R634
4.99K
1%
D607
1N4148
R637
10.0K
1%
D608
1N4148
U604
TL072
R635
10.0K
1%
R636
10.0K
1%
R638
10.0K
1%
R642
10.0K
1%
LF_LOGIC
C630
100uF
25V
C631
100uF
25V
R640
10.0K
1%
R641
10.0K
1%
U606
TL072
U607
LM358
LF_FP
R624
100K
1%
R623
4.99K
1%
U602
4066B
C618
1.0uF
50V
U608
TL072
LF/RF_SPLIT
RF_LOGIC
CITATION 5.0
CVG SERVO LOGIC
DWG. NO.
052-02036
REV.
06
SHEET 6 OF 11
CITATION 5.0 11-12-98 12:30 P.M.

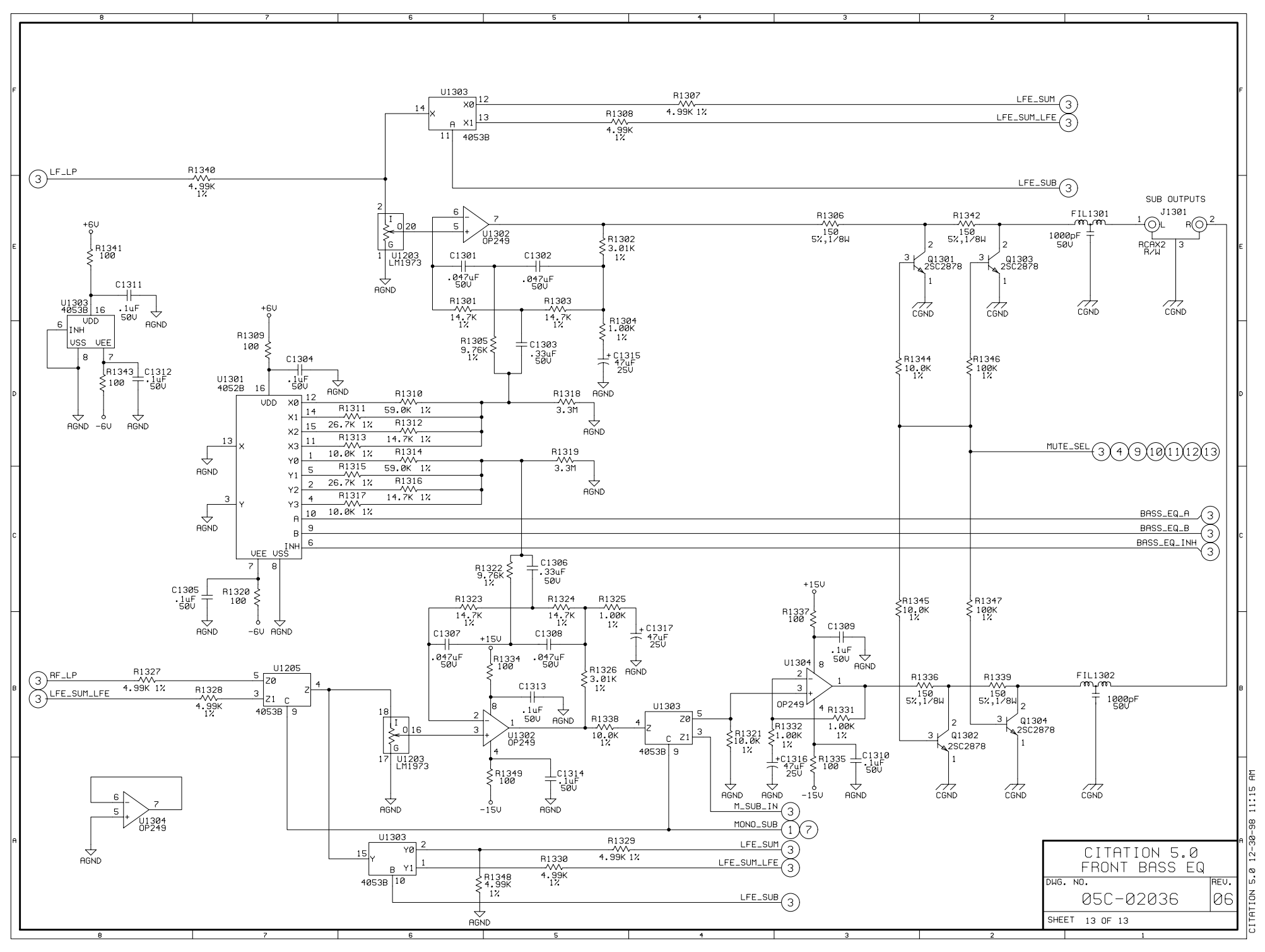


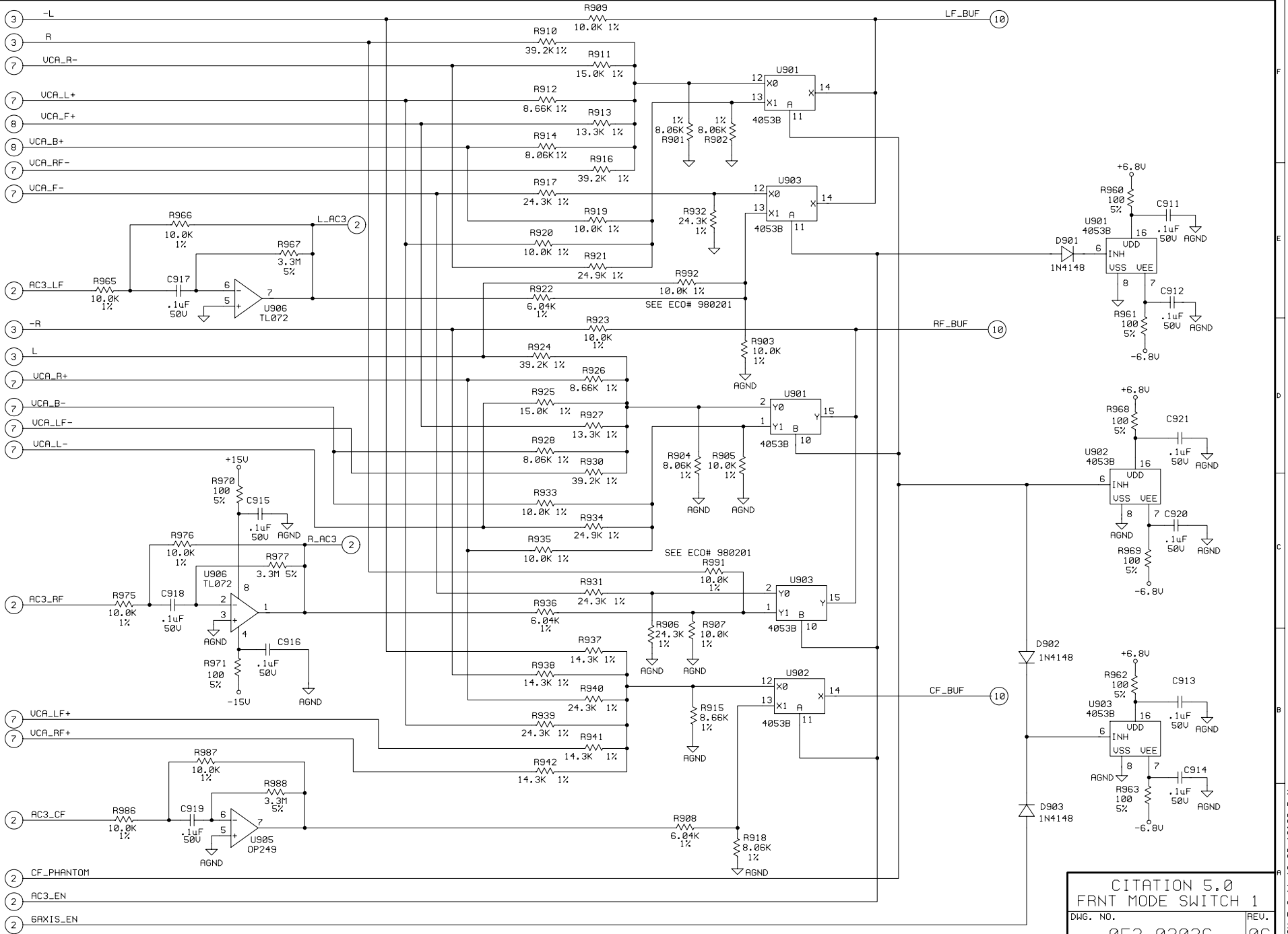
CITATION 5.0 D/A CONVERTER	
DWG. NO. 05A-02036	REV. 04
SHEET 8 OF 8	


U401
HC4053
SVID_C
R501
10.0K
1%,1/8W
AGND
U501
MC14576
OSD_C_IN
R505
4.99K
1%,1/8W
+5V
R502
10
C502
.01uF
50V
C501
.1uF
50V
U502
TL072
R514
10
5%,1/8W
C513
.1uF
50V
C503
.01uF
50V
R504
10
-5V
R503
10.0K
1%,1/8W
R512
3.3M
C504
1.0uF
50V
U503
HC4053
VREF
BP
U503
HC4053
R510
100
C511
.1uF
50V
R511
100
C512
.1uF
50V
U402
HC4053
COMP_Y
SVID_Y
SVIDEO
R506
10
C505
10uF
50V
C506
.1uF
50V
VDD
VSS
OSD_Y_IN
R507
10
C507
10uF
50V
C508
.1uF
50V
R509
4.99K
1%,1/8W
C509
.1uF
50V
U502
TL072
R515
10
5%,1/8W
R508
10.0K
1%,1/8W
R513
3.3M
C510
1.0uF
50V
C514
.1uF
50V
CLAMP_Y
CITATION 5.0
DC RESTORE
DWG. NO.
053-02036
REV.
05
SHEET 5 OF 9
CITATION 5.0 4-27-98 1:40 PM


AUDIO INPUTS
LEFT
RIGHT
-L
L
-R
R
L_FIL
R_FIL
L+R_FIL
L-R_FIL
AUTOBALANCE DISABLE
AUTOBALANCE CONTROL
RF_LOGIC
F/B_DET
PAN_A
PAN_B
AUTO_BAL_DIS
AUTO_BAL_WINDOW
RIGHT_HEAVY
LEFT_HEAVY
TL072
4066B
1N4148
OMIT
AGND
+15V
-15V
+6.8V
-6.8V
✳ SEE ECO #207 FOR PLACEMENT
ON PC BOARD PN# 402-02036-01
CITATION 5.0
DETECTOR/FILTER
AUTO BALANCE
DWG. NO. 052-02036
REV. 06
SHEET 3 OF 11
CITATION 5.0 11-12-98 12:30 P.M.


LF_MATRIX
RF_MATRIX
FT_HP
LFE_SUM
LFE_SUM_LFE
LFE_FT
MUTE_SEL
BASS_EQ_A
BASS_EQ_B
BASS_EQ_INH
FRONTS
J901
RCAX4
14mm,R/W
U1005
4053B
U904
U1006
TL072
U1003
OP249
U905
LM1973
U1002
4052B
Q1001
2SC2878
Q1003
2SC2878
Q1002
2SC2878
Q1004
2SC2878
D1001
1N4148
D1002
1N4148
FIL1002
FIL1001
1000pF
50V
AGND
CGND
+6V
-6V
+15V
-15V
CITATION 5.0
FRONT BASS EQ
DWG. NO.
05C-02036
REV.
06
SHEET 10 OF 13
CITATION 5.0 12-30-98 11:15 AM


U1303
4053B
R1307
4.99K 1%
R1308
4.99K
1%
LFE_SUM
LFE_SUM_LFE
LFE_SUB
LF_LP
R1340
4.99K
1%
U1203
LM1973
U1302
OP249
R1306
150
5%,1/8W
R1342
150
5%,1/8W
FIL1301
1000pF
50V
J1301
SUB OUTPUTS
RCAX2
R/W
Q1301
2SC2878
Q1303
2SC2878
CGND
AGND
+6V
-6V
R1341
100
C1311
.1uF
50V
R1343
100
C1312
.1uF
50V
R1309
100
C1304
.1uF
50V
U1301
4052B
R1310
59.0K 1%
R1311
26.7K 1%
R1312
14.7K 1%
R1313
10.0K 1%
R1314
59.0K 1%
R1315
26.7K 1%
R1316
14.7K 1%
R1317
10.0K 1%
R1318
3.3M
R1319
3.3M
C1301
.047uF
50V
C1302
.047uF
50V
R1301
14.7K
1%
R1303
14.7K
1%
R1302
3.01K
1%
R1304
1.00K
1%
R1305
9.76K
1%
C1303
.33uF
50V
C1315
47uF
25V
R1344
10.0K
1%
R1346
100K
1%
MUTE_SEL
BASS_EQ_A
BASS_EQ_B
BASS_EQ_INH
R1322
9.76K
1%
C1306
.33uF
50V
R1323
14.7K
1%
R1324
14.7K
1%
R1325
1.00K
1%
C1317
47uF
25V
C1307
.047uF
50V
C1308
.047uF
50V
R1334
100
R1326
3.01K
1%
C1313
.1uF
50V
R1338
10.0K
1%
R1349
100
C1314
.1uF
50V
C1305
.1uF
50V
R1320
100
RF_LP
LFE_SUM_LFE
R1327
4.99K 1%
R1328
4.99K
1%
U1205
4053B
U1304
OP249
R1337
100
C1309
.1uF
50V
R1345
10.0K
1%
R1347
100K
1%
R1336
150
5%,1/8W
R1339
150
5%,1/8W
FIL1302
1000pF
50V
Q1302
2SC2878
Q1304
2SC2878
R1331
1.00K
1%
R1332
1.00K
1%
C1316
47uF
25V
R1335
100
C1310
.1uF
50V
R1321
10.0K
1%
+15V
-15V
M_SUB_IN
MONO_SUB
R1329
4.99K 1%
R1330
4.99K 1%
R1348
4.99K
1%
CITATION 5.0
FRONT BASS EQ
DWG. NO.
05C-02036
REV.
06
SHEET 13 OF 13
CITATION 5.0 12-30-98 11:15 AM

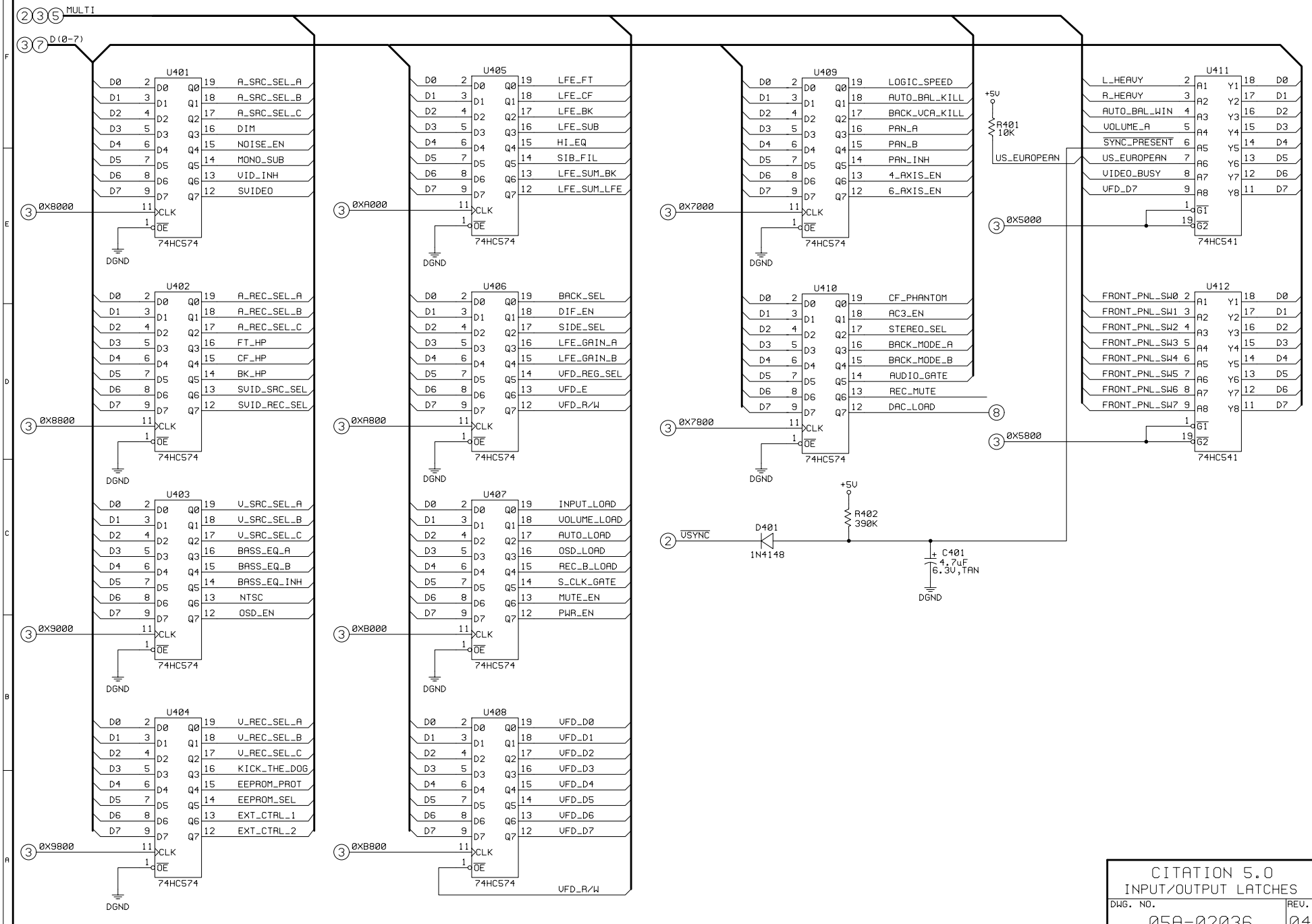


CITATION 5.0
FRNT MODE SWITCH 1

DWG. NO.	REV.
052-02036	06

SHEET 9 OF 11

CITATION 5.0 11-12-98 12:30 P.M.

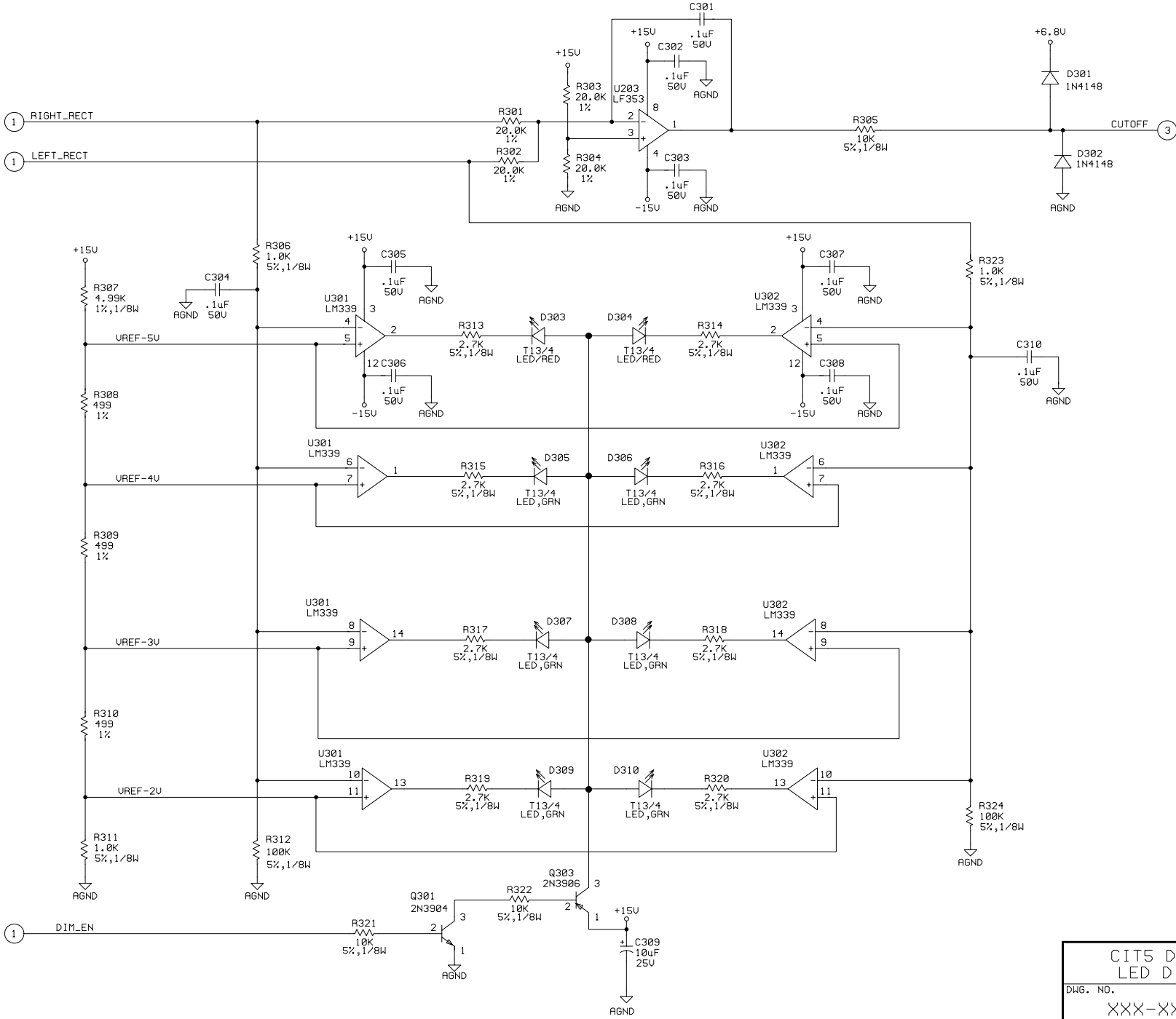


CITATION 5.0
INPUT/OUTPUT LATCHES

DWG. NO.	REV.
05A-02036	04

SHEET 4 OF 8

CITATION 5.0 11-12-98 9:15 AM



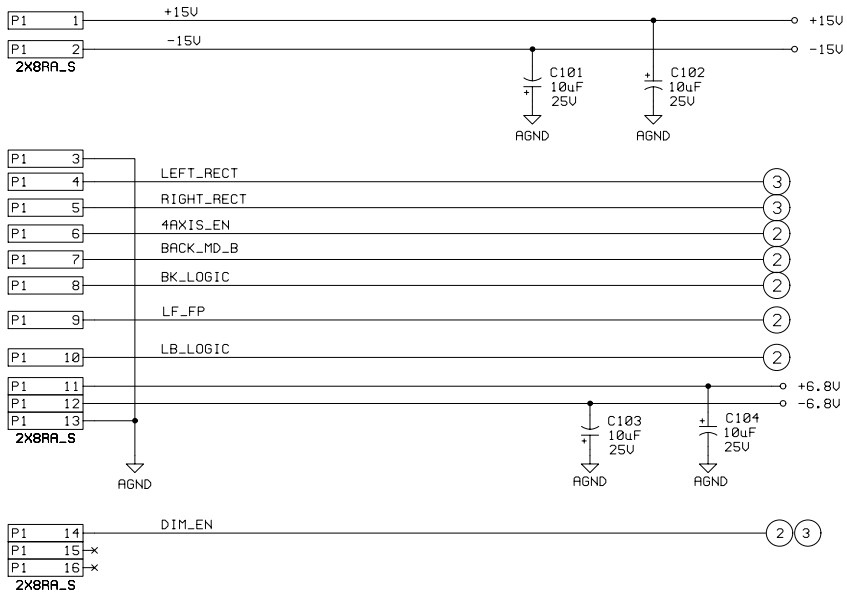
CIT5 DISPLAY
LED DISPLAY

DWG. NO.	REV.
XXX-XXXXX	P1

SHEET 2 OF 3

CSDSPLAY.SCH_NOV.25,1996

x CITATIONS



NOTES:

1. FOR CAPACITOR TYPE SEE PARTS LIST.
2. ALL RESISTORS ARE 1/8W, 5% CARBON FILM, UNLESS OTHERWISE SPECIFIED.

SIGNATURE		DATE
DRAWN	J.CHURCH	11/25/96
DRFTG CHK		
PROJ MGR		
C5LVLG01.SCH		

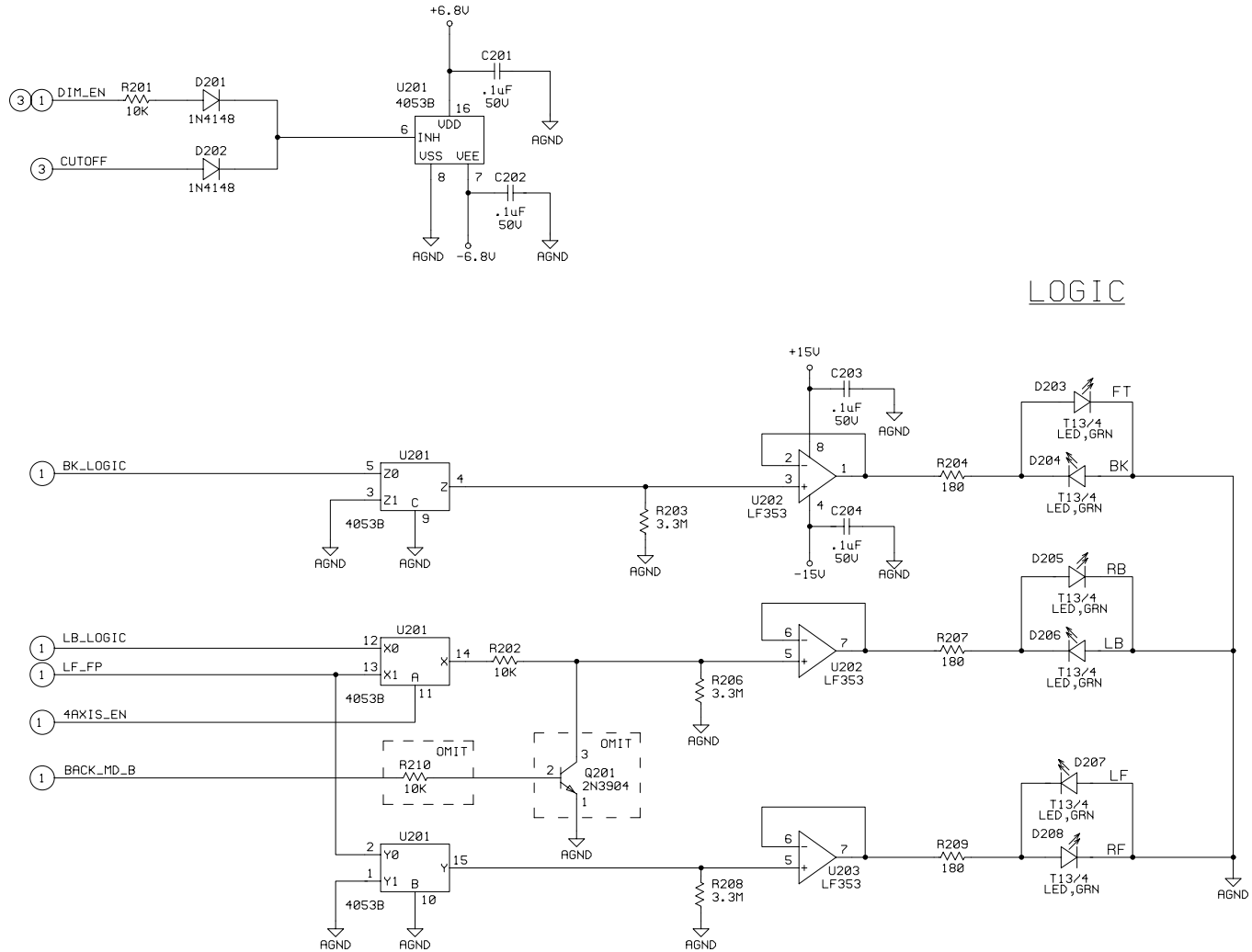
harman consumer group
digital entertainment product center
1308 BORREGAS AVENUE
SUNNYVALE, CA 94089-1001

CITATION 5.0
LEVEL/LOGIC

DWG. NO. 054-02036 REV. 01

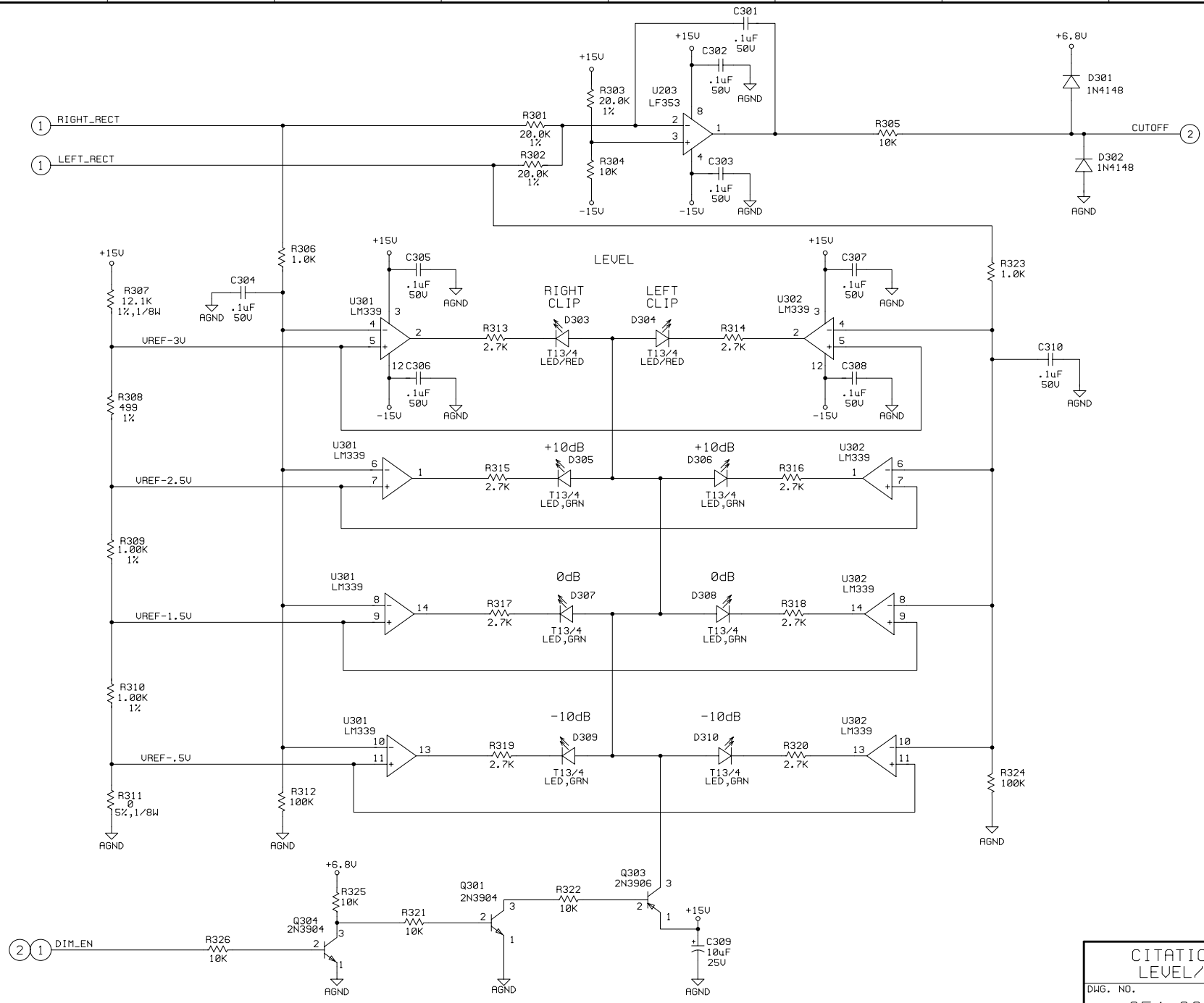
SHEET 1 OF 3

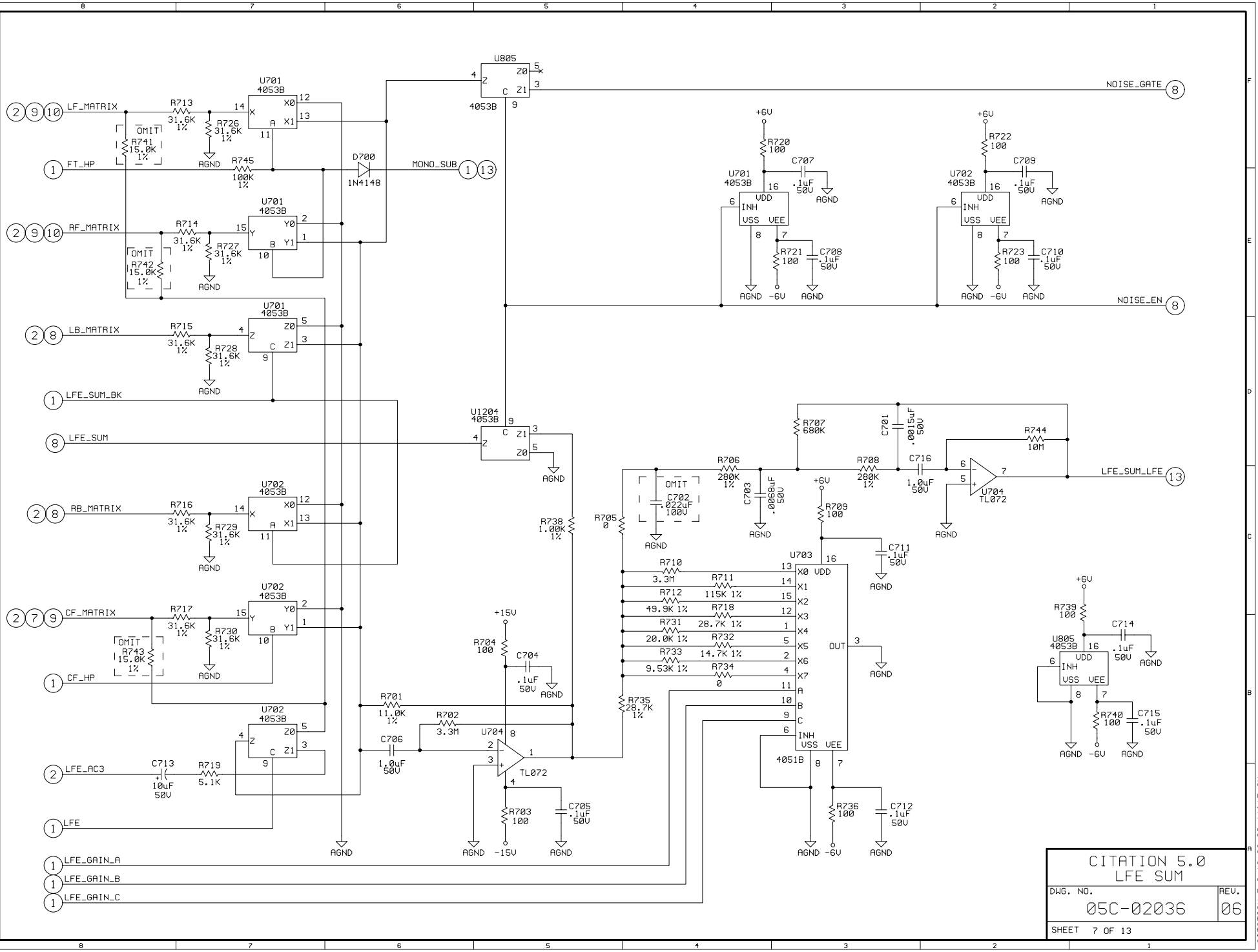
CITATION 5.0 1-6-98 3:00 PM



CITATION 5.0 LEVEL/LOGIC	
DWG. NO. 054-02036	REV. 01
SHEET 2 OF 3	

CITATION 5.0 1-6-98 3:00 PM


C301
.1uF
50V
+15V
C302
.1uF
50V
AGND
+15V
R303
20.0K
1%
U203
LF353
R301
20.0K
1%
R302
20.0K
1%
R304
10K
-15V
C303
.1uF
50V
+6.8V
D301
1N4148
R305
10K
CUTOFF
D302
1N4148
RIGHT_RECT
LEFT_RECT
LEVEL
R306
1.0K
R307
12.1K
1%,1/8W
C304
.1uF
50V
VREF-3V
R308
499
1%
VREF-2.5V
R309
1.00K
1%
VREF-1.5V
R310
1.00K
1%
VREF-.5V
R311
0
5%,1/8W
R312
100K
U301
LM339
C305
.1uF
50V
C306
.1uF
50V
R313
2.7K
RIGHT
CLIP
D303
T13/4
LED/RED
LEFT
CLIP
D304
T13/4
LED/RED
R314
2.7K
U302
LM339
C307
.1uF
50V
C308
.1uF
50V
R323
1.0K
C310
.1uF
50V
+10dB
D305
T13/4
LED,GRN
R315
2.7K
+10dB
D306
T13/4
LED,GRN
R316
2.7K
0dB
D307
T13/4
LED,GRN
R317
2.7K
0dB
D308
T13/4
LED,GRN
R318
2.7K
-10dB
D309
T13/4
LED,GRN
R319
2.7K
-10dB
D310
T13/4
LED,GRN
R320
2.7K
R324
100K
DIM_EN
R326
10K
Q304
2N3904
R325
10K
R321
10K
Q301
2N3904
R322
10K
Q303
2N3906
C309
10uF
25V
CITATION 5.0
LEVEL/LOGIC
DWG. NO.
054-02036
REV.
01
SHEET 3 OF 3
CITATION 5.0 1-6-98 3:00 PM

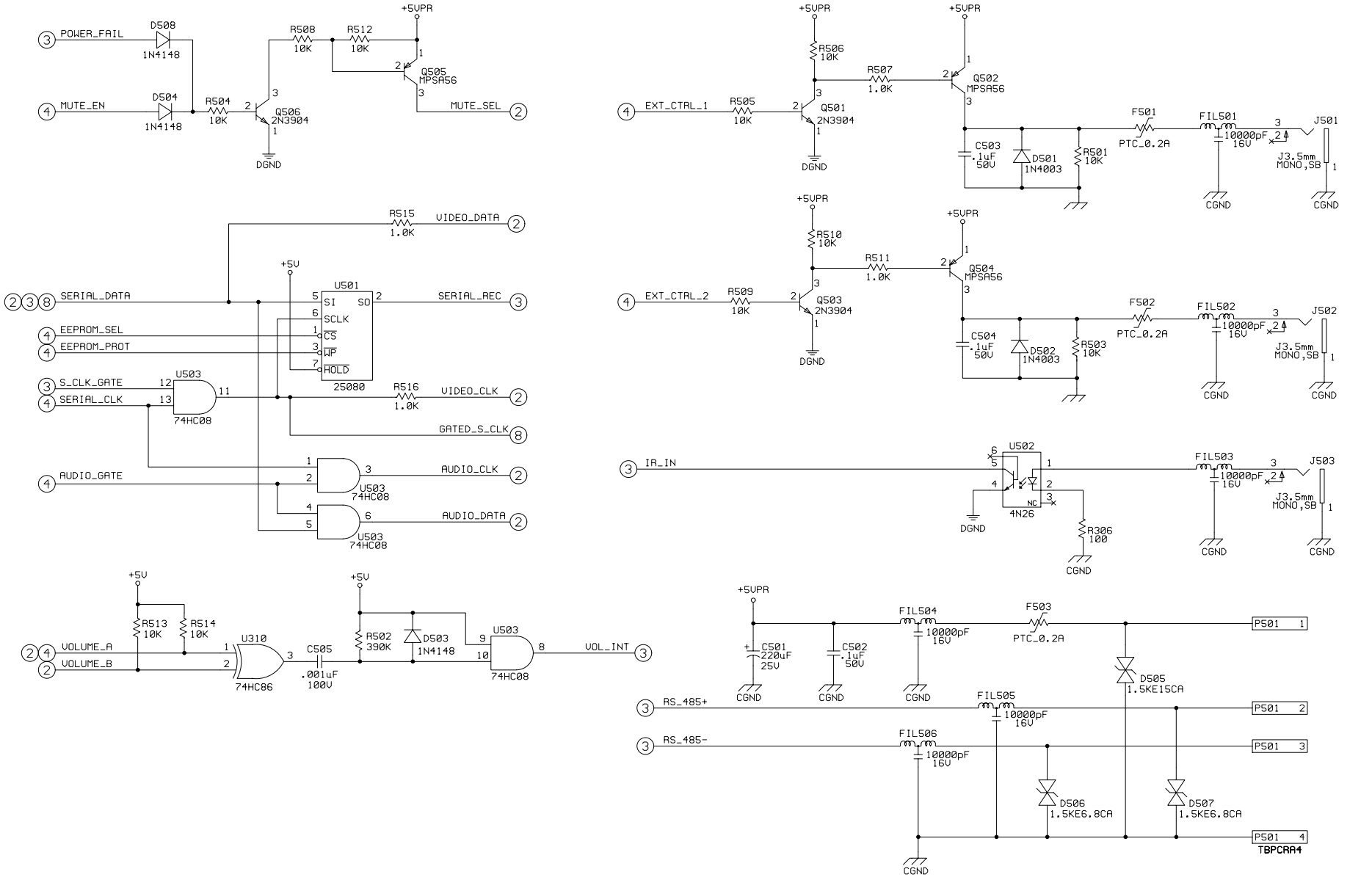


CITATION 5.0
LFE SUM

DWG. NO.	REV.
05C-02036	06

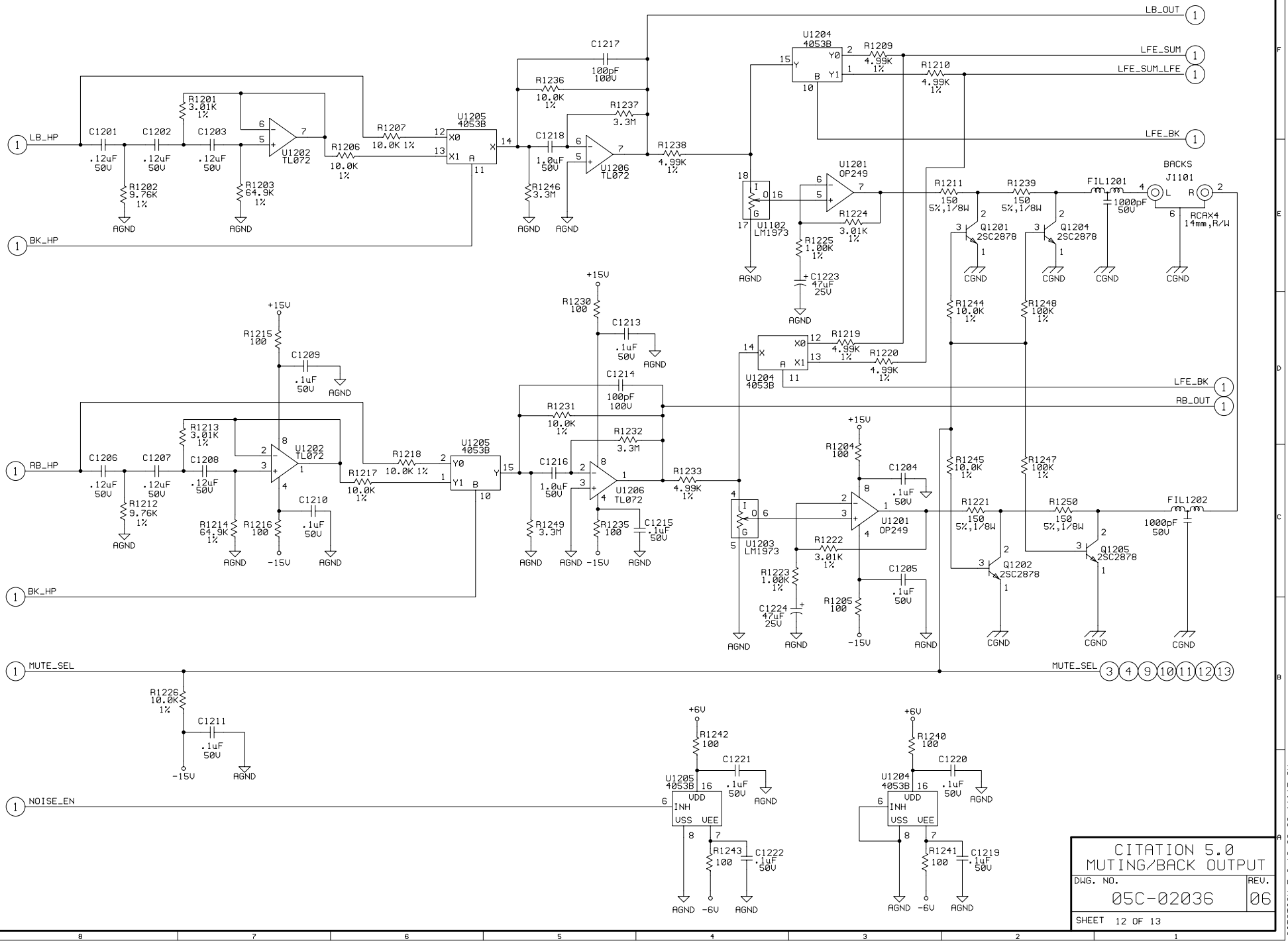
SHEET 7 OF 13

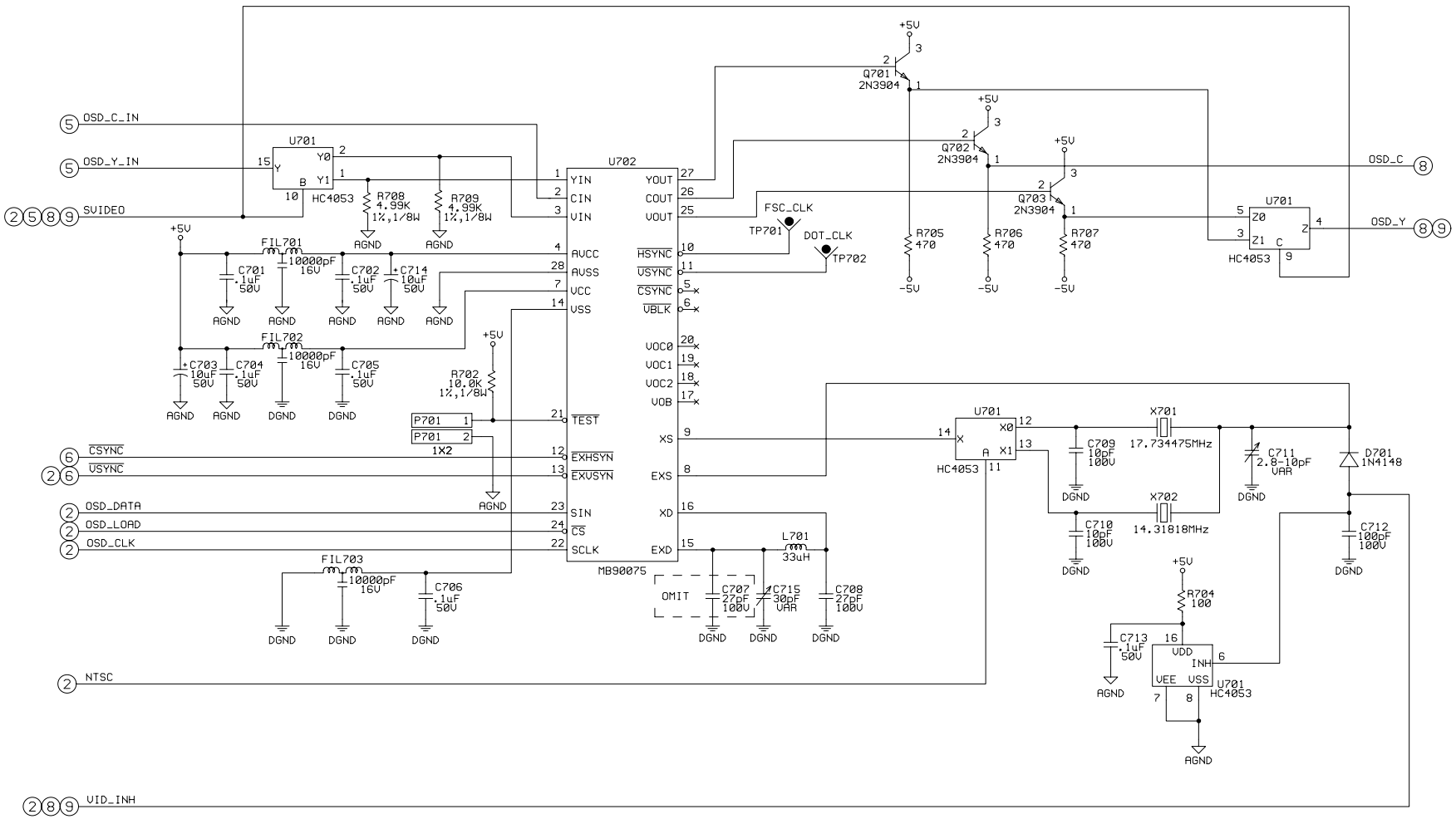
CITATION 5.0 12-30-98 11:15 AM



CITATION 5.0 MISC.	
DWG. NO. 05A-02036	REV. 04
SHEET 5 OF 8	

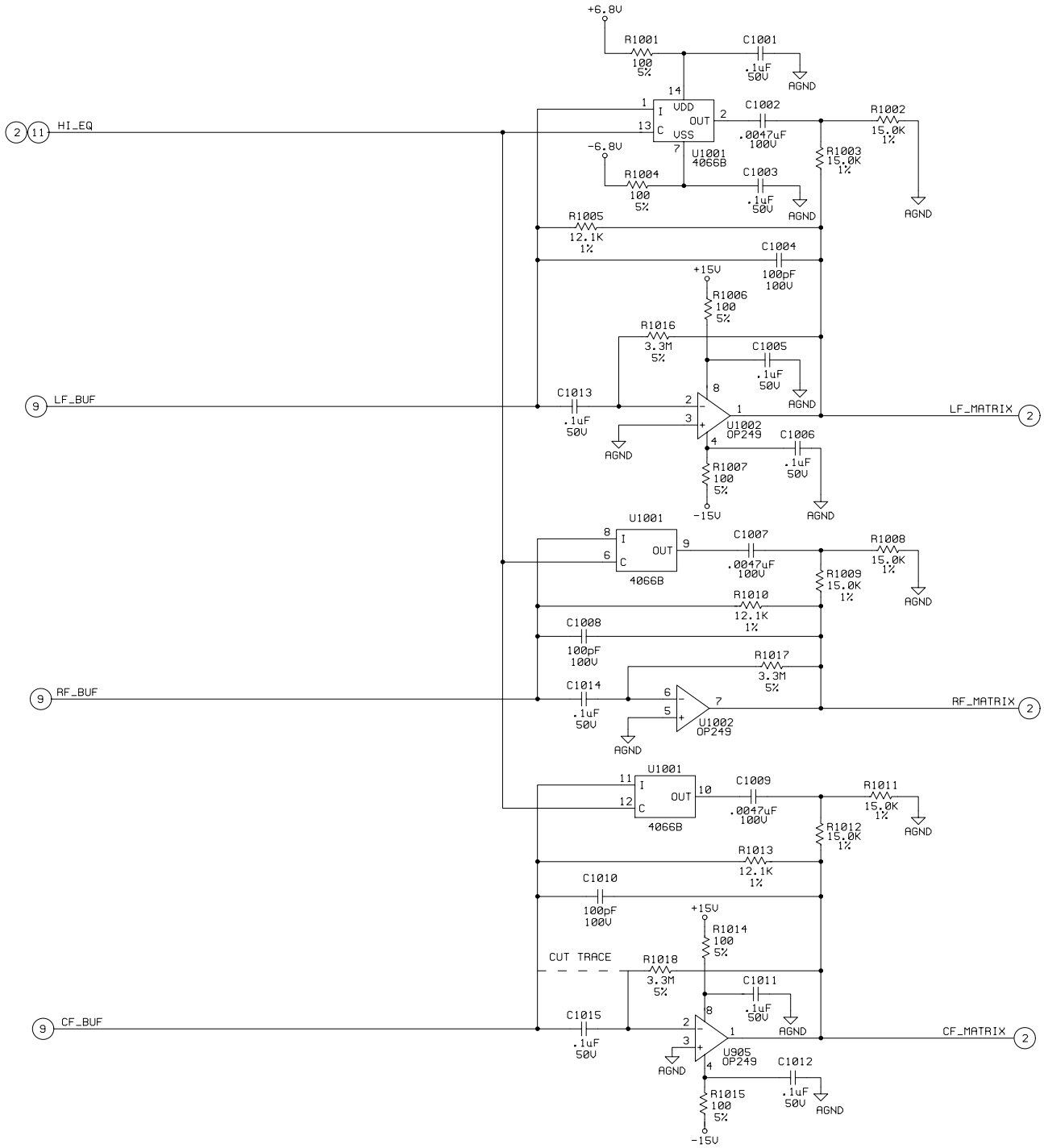
CITATION 5.0 11-12-98 9:15 AM


LB_OUT
LFE_SUM
LFE_SUM_LFE
LFE_BK
BACKS
J1101
RCAX4
14mm,R/W
LB_HP
BK_HP
RB_HP
RB_OUT
MUTE_SEL
NOISE_EN
U1204
4053B
U1205
4053B
U1202
TL072
U1206
TL072
U1201
OP249
U1102
LM1973
U1203
LM1973
Q1201
2SC2878
Q1204
2SC2878
Q1202
2SC2878
Q1205
2SC2878
FIL1201
FIL1202
1000pF
50V
+15V
-15V
+6V
AGND
CGND
-6V
R1201
3.01K
1%
R1202
9.76K
1%
R1203
64.9K
1%
R1206
10.0K
1%
R1207
10.0K 1%
R1209
4.99K
1%
R1210
4.99K
1%
R1211
150
5%,1/8W
R1239
150
5%,1/8W
R1224
3.01K
1%
R1225
1.00K
1%
R1236
10.0K
1%
R1237
3.3M
R1238
4.99K
1%
R1246
3.3M
R1213
3.01K
1%
R1212
9.76K
1%
R1214
64.9K
1%
R1216
100
R1217
10.0K
1%
R1218
10.0K 1%
R1219
4.99K
1%
R1220
4.99K
1%
R1231
10.0K
1%
R1232
3.3M
R1233
4.99K
1%
R1249
3.3M
R1235
100
R1244
10.0K
1%
R1248
100K
1%
R1245
10.0K
1%
R1247
100K
1%
R1221
150
5%,1/8W
R1250
150
5%,1/8W
R1222
3.01K
1%
R1223
1.00K
1%
R1204
100
R1205
100
R1226
10.0K
1%
R1242
100
R1243
100
R1240
100
R1241
100
C1201
.12uF
50V
C1202
.12uF
50V
C1203
.12uF
50V
C1206
.12uF
50V
C1207
.12uF
50V
C1208
.12uF
50V
C1209
.1uF
50V
C1210
.1uF
50V
C1211
.1uF
50V
C1213
.1uF
50V
C1214
100pF
100V
C1216
1.0uF
50V
C1217
100pF
100V
C1218
1.0uF
50V
C1223
47uF
25V
C1224
47uF
25V
C1215
.1uF
50V
C1204
.1uF
50V
C1205
.1uF
50V
C1221
.1uF
50V
C1220
.1uF
50V
C1222
.1uF
50V
C1219
.1uF
50V
R1230
100
R1215
100
MUTE_SEL
3
4
9
10
11
12
13
CITATION 5.0
MUTING/BACK OUTPUT
DWG. NO.
05C-02036
REV.
06
SHEET 12 OF 13
CITATION 5.0 12-30-98 11:15 AM



CITATION 5.0 OSD	
DWG. NO. 053-02036	REV. 05
SHEET 7 OF 9	

CITATION 5.0 4-27-98 1:40 PM

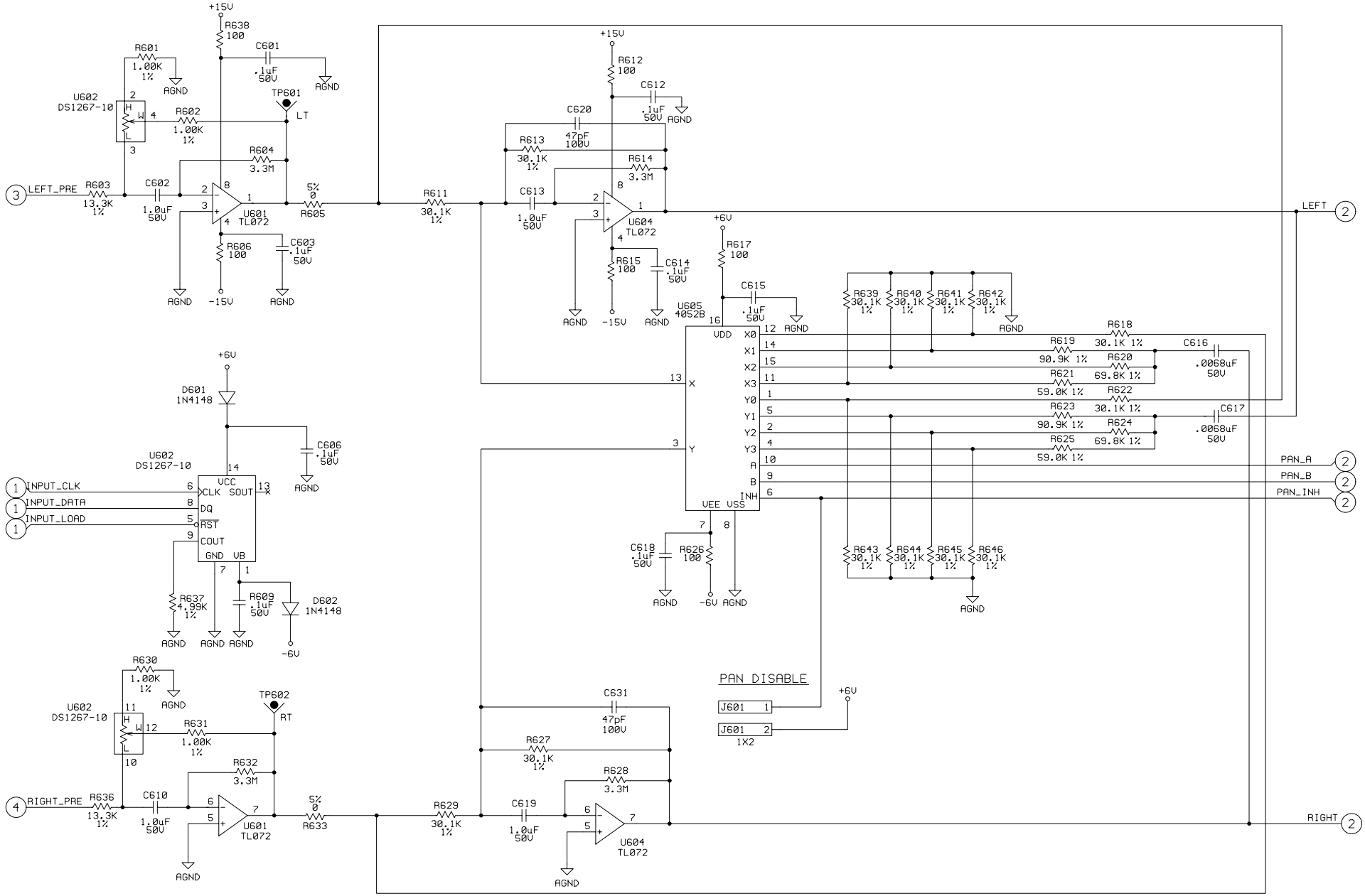


SCHEMATIC TITLE
PAGE TITLE

DWG. NO.	REV.
052-02036	06

SHEET 10 OF 11

CITATION 5.0 11-12-98 12:30 P.M.

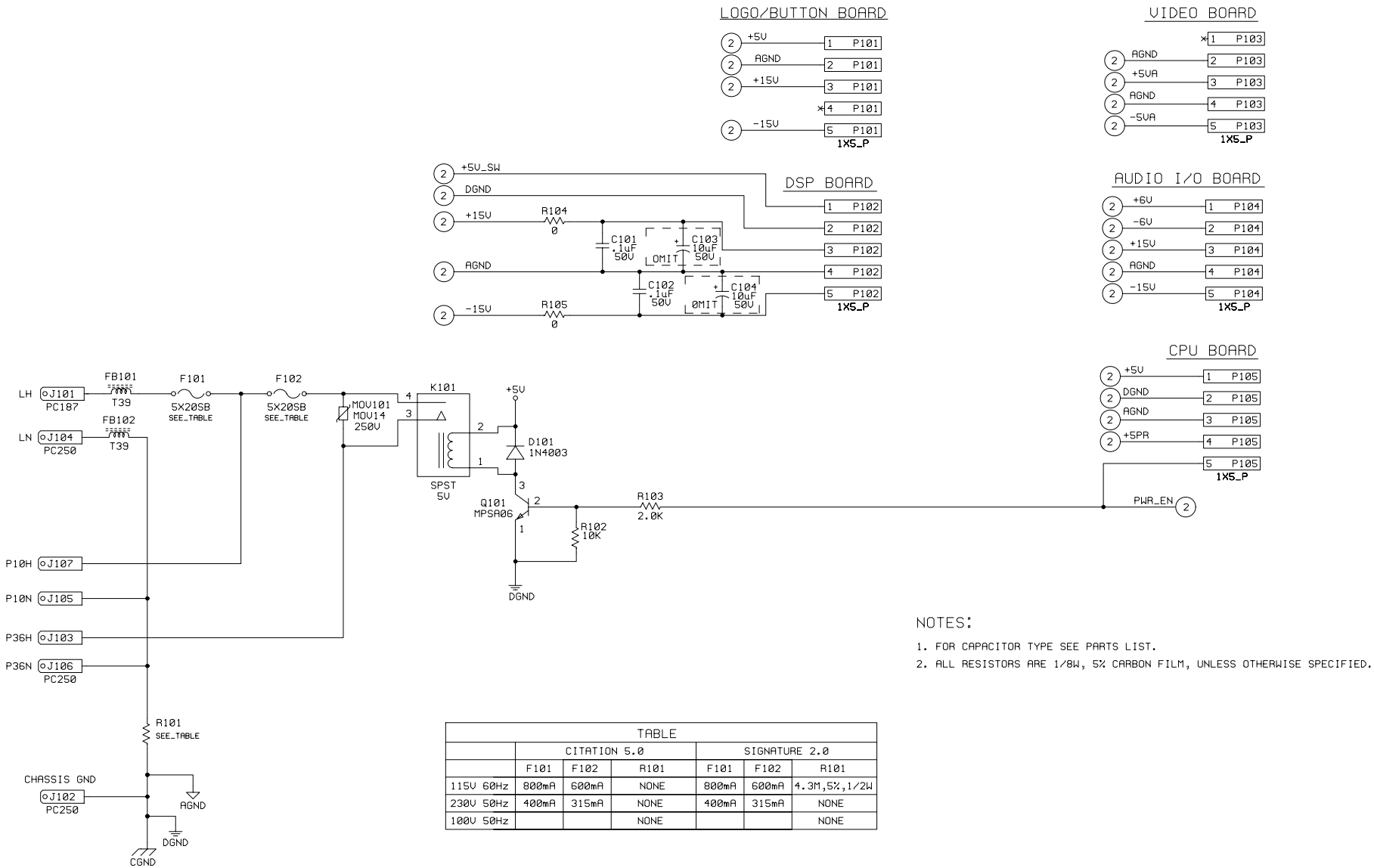


CITATION 5.0
PAN/SIB/HI EQ

DWG. NO.	REV.
05C-02036	06

SHEET 6 OF 13

CITATION 5.0 12-30-98 11:15 AM



NOTES:

1. FOR CAPACITOR TYPE SEE PARTS LIST.
2. ALL RESISTORS ARE 1/8W, 5% CARBON FILM, UNLESS OTHERWISE SPECIFIED.

TABLE						
	CITATION 5.0			SIGNATURE 2.0		
	F101	F102	R101	F101	F102	R101
115V 60Hz	800mA	600mA	NONE	800mA	600mA	4.3M,5%,1/2W
230V 50Hz	400mA	315mA	NONE	400mA	315mA	NONE
100V 50Hz			NONE			NONE

SIGNATURE		DATE
DRAWN	S.McRAE	11-20-96
DRFTG CHK		
PROJ MGR		

CSPWR01.SCH

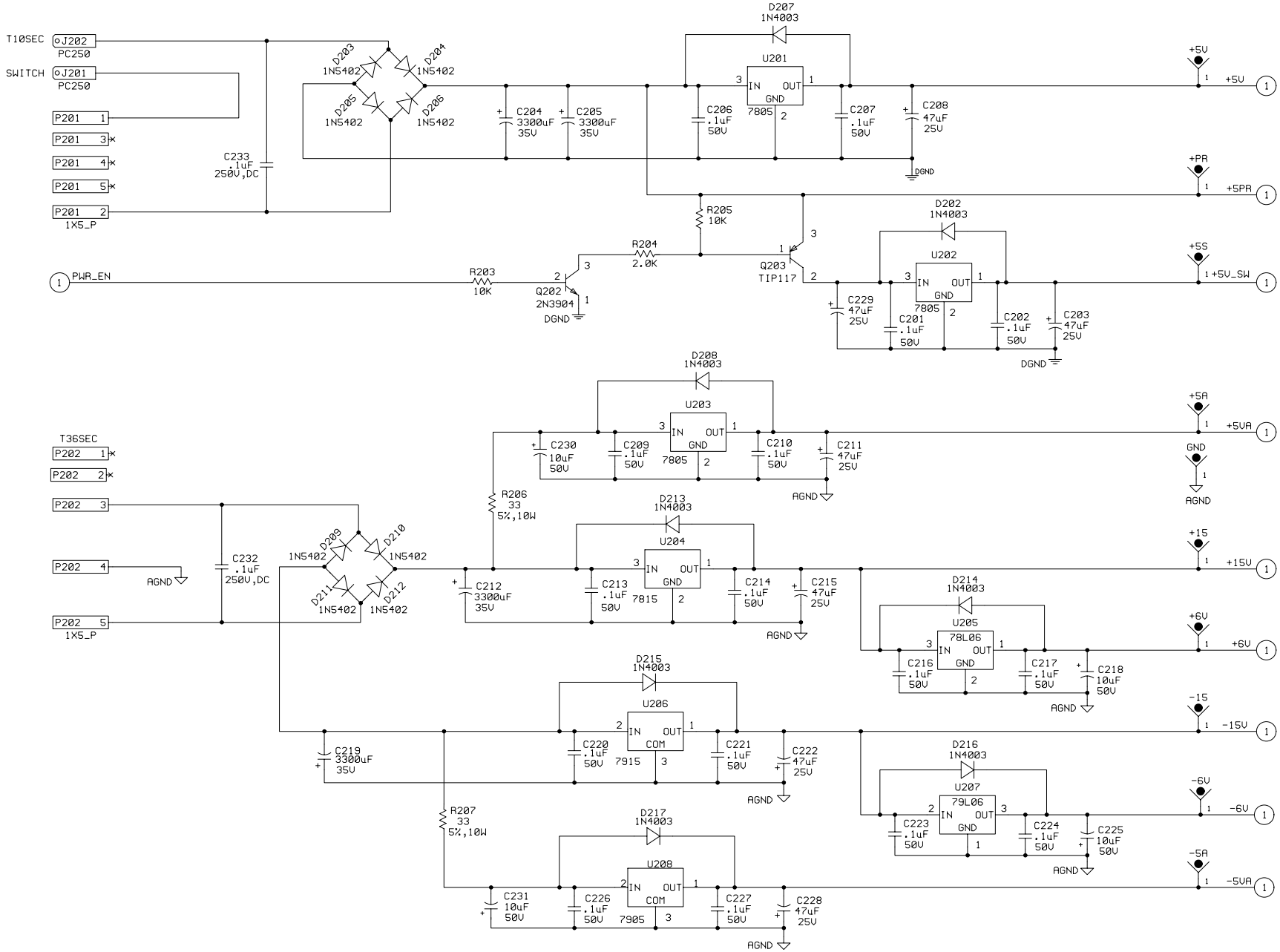
harman consumer group
digital entertainment product center
1308 Borregas Avenue
Sunnyvale, CA 94089-1001

POWER SUPPLY, 1
CONNECTORS

DWG. NO. 051-95000 REV. 01

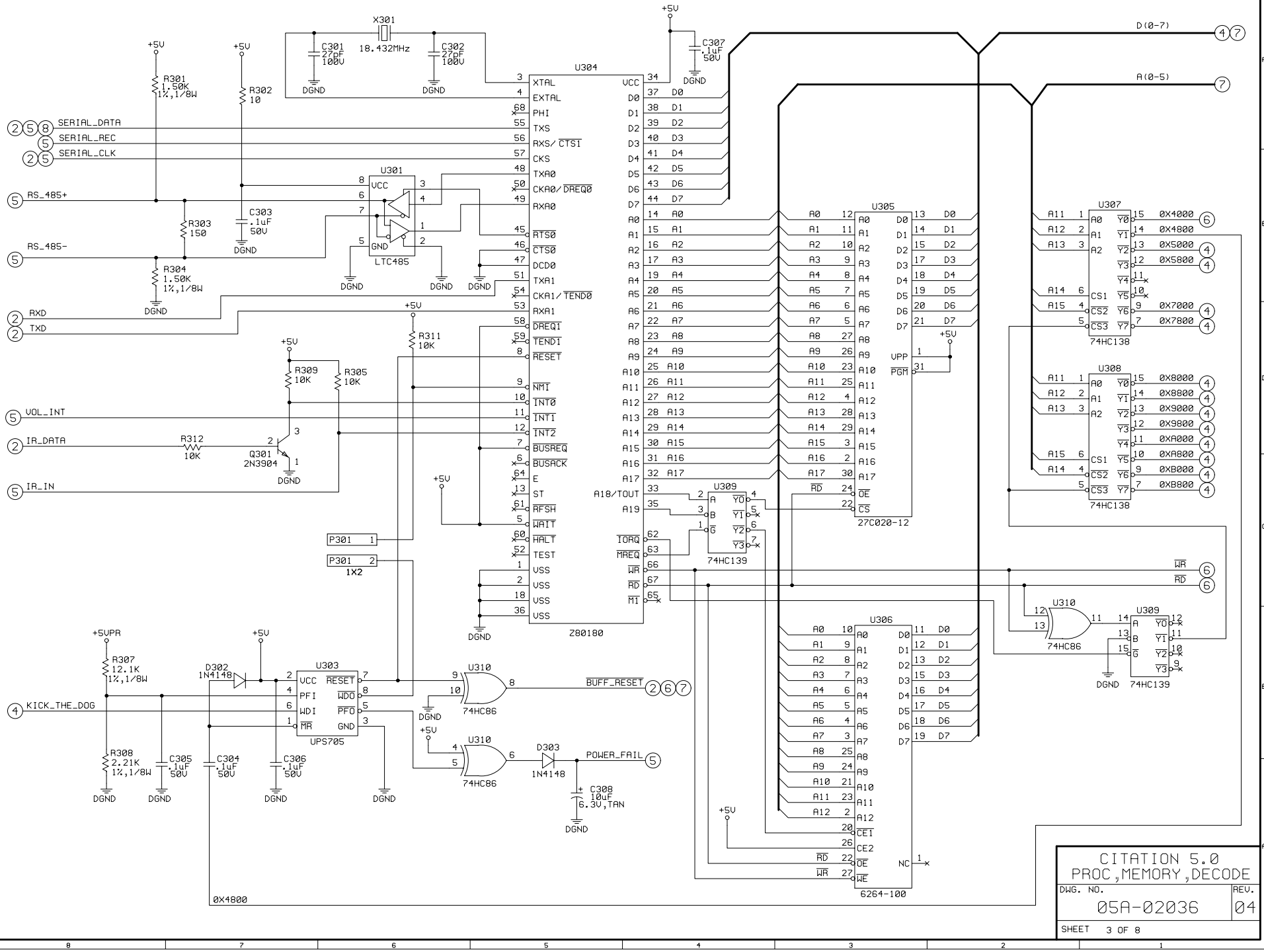
SHEET 1 OF 2

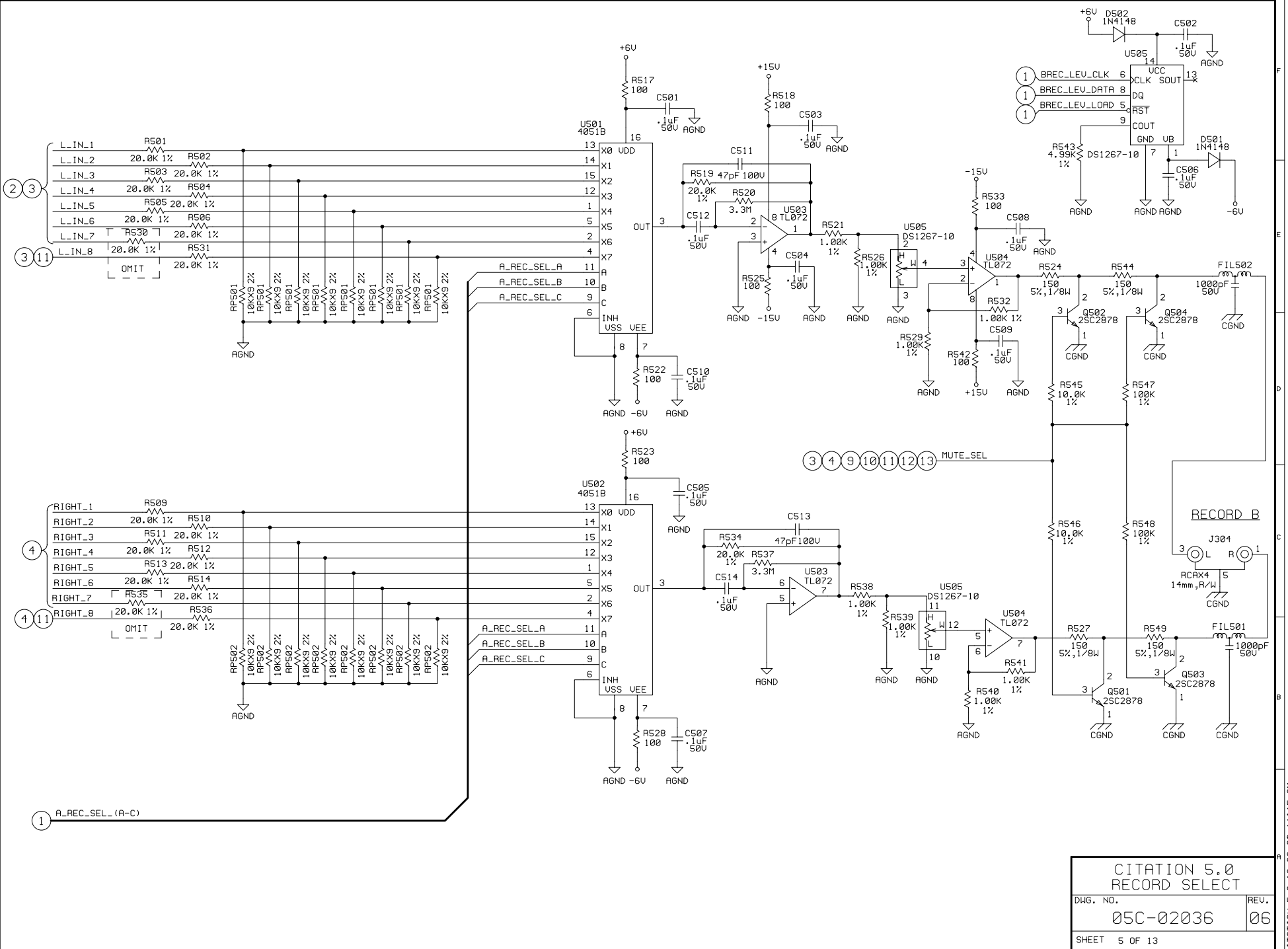
CITATION 5.0/SIGNATURE 2.0 1-6-98 2:40 PM

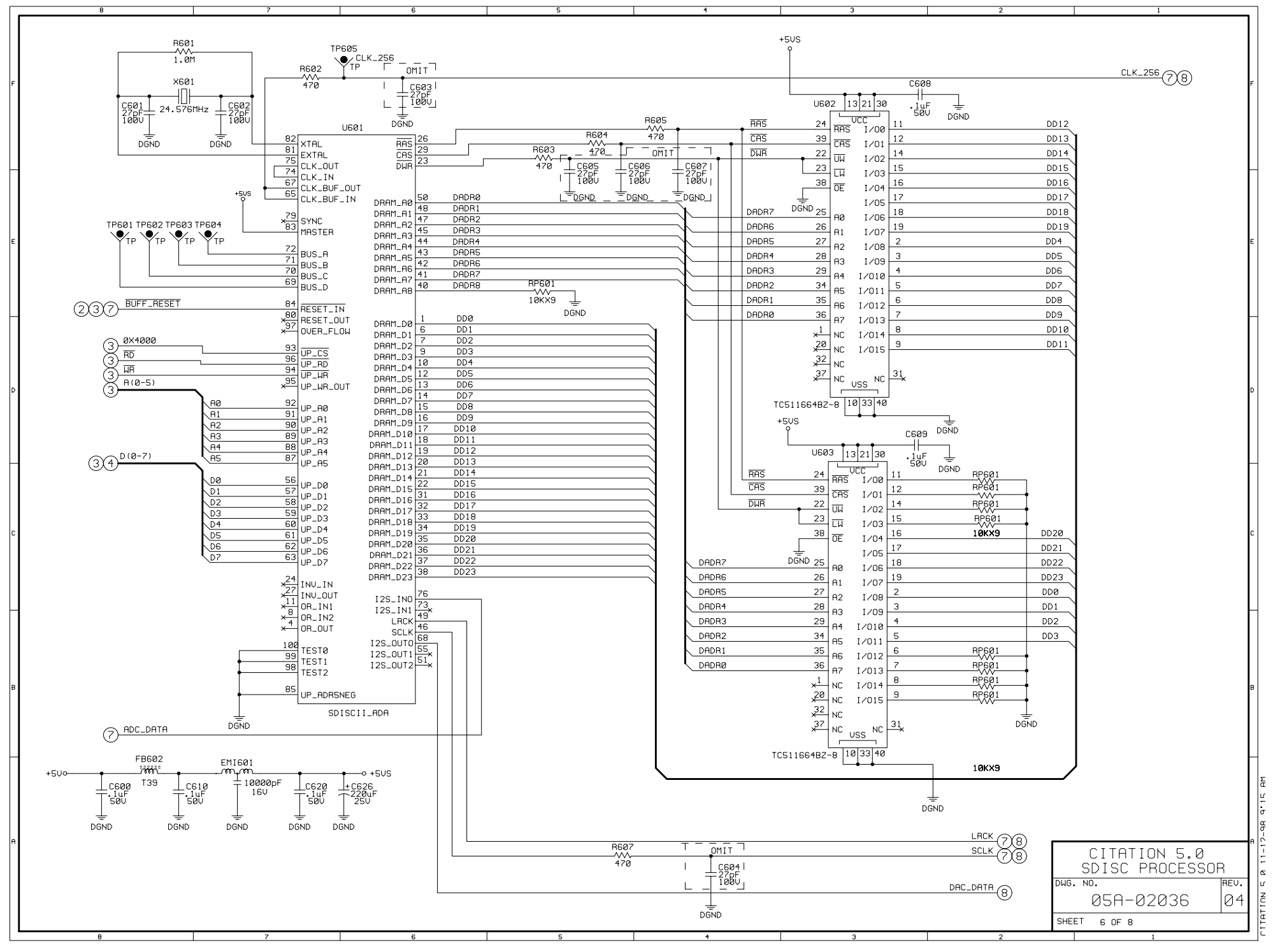


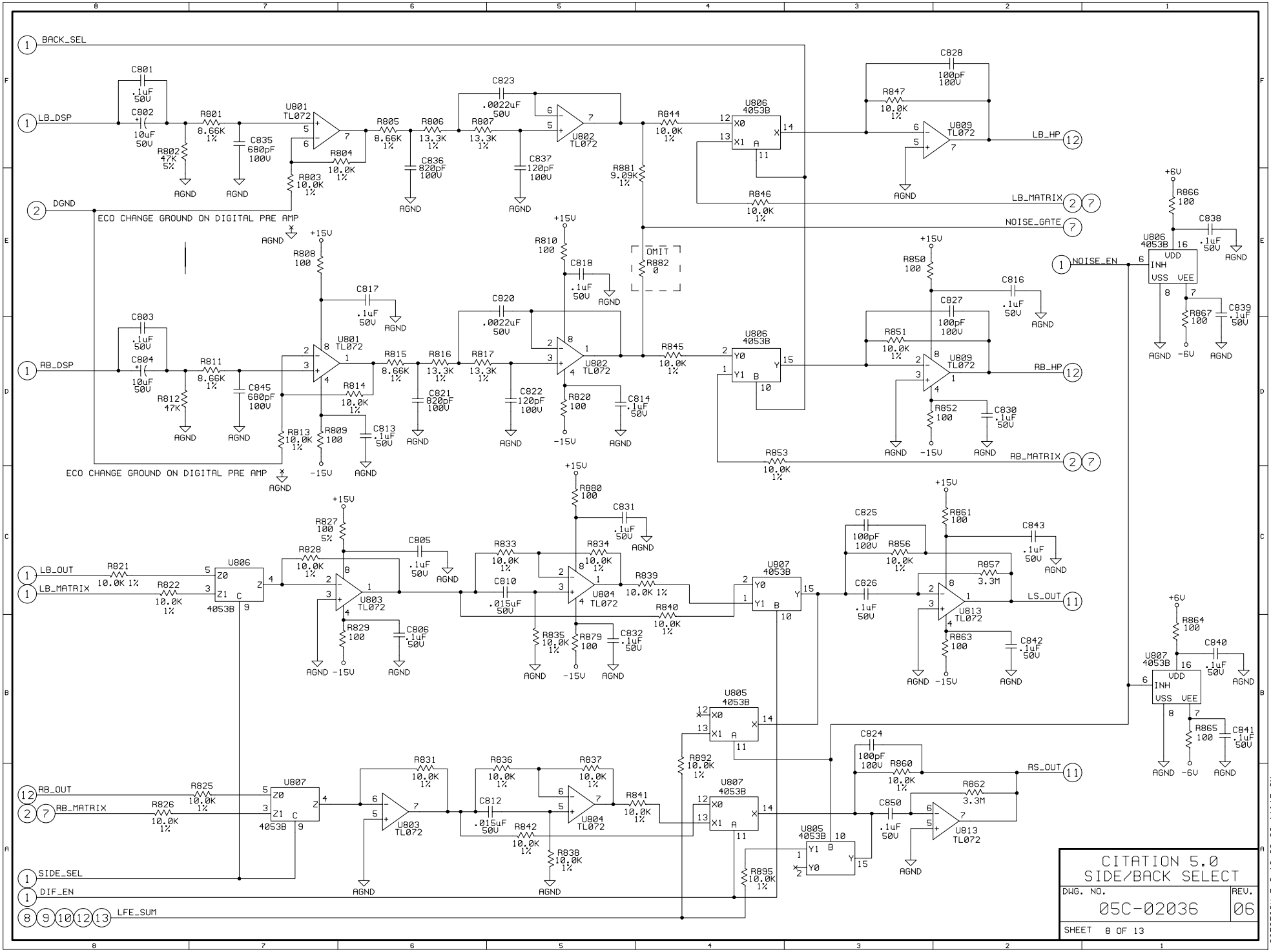
POWER SUPPLY, 1 REGULATORS	
DWG. NO. 051-95000	REV. 01
SHEET 2 OF 2	

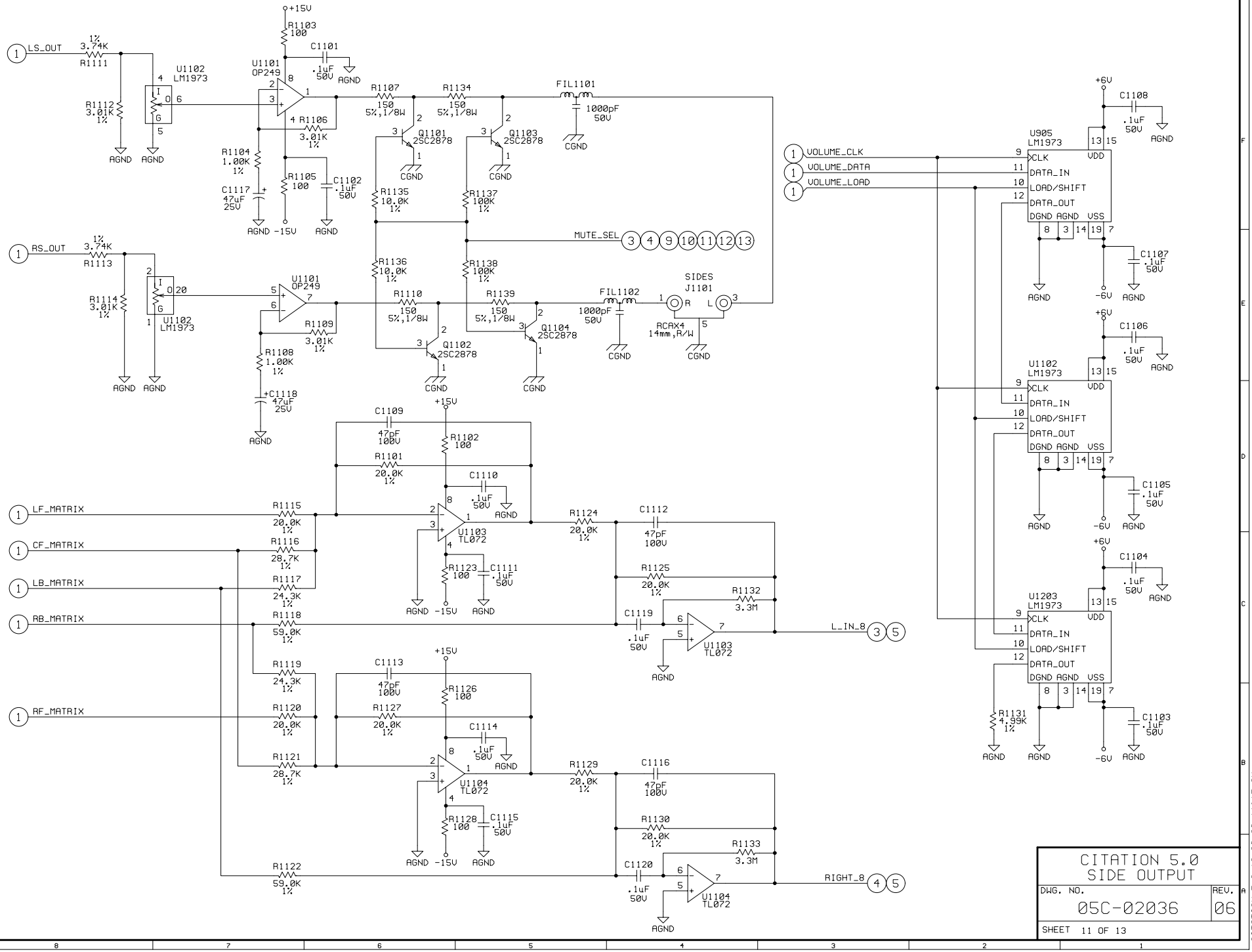
CITATION 5.0/SIGNATURE 2.0 1-6-98 2:40 PM

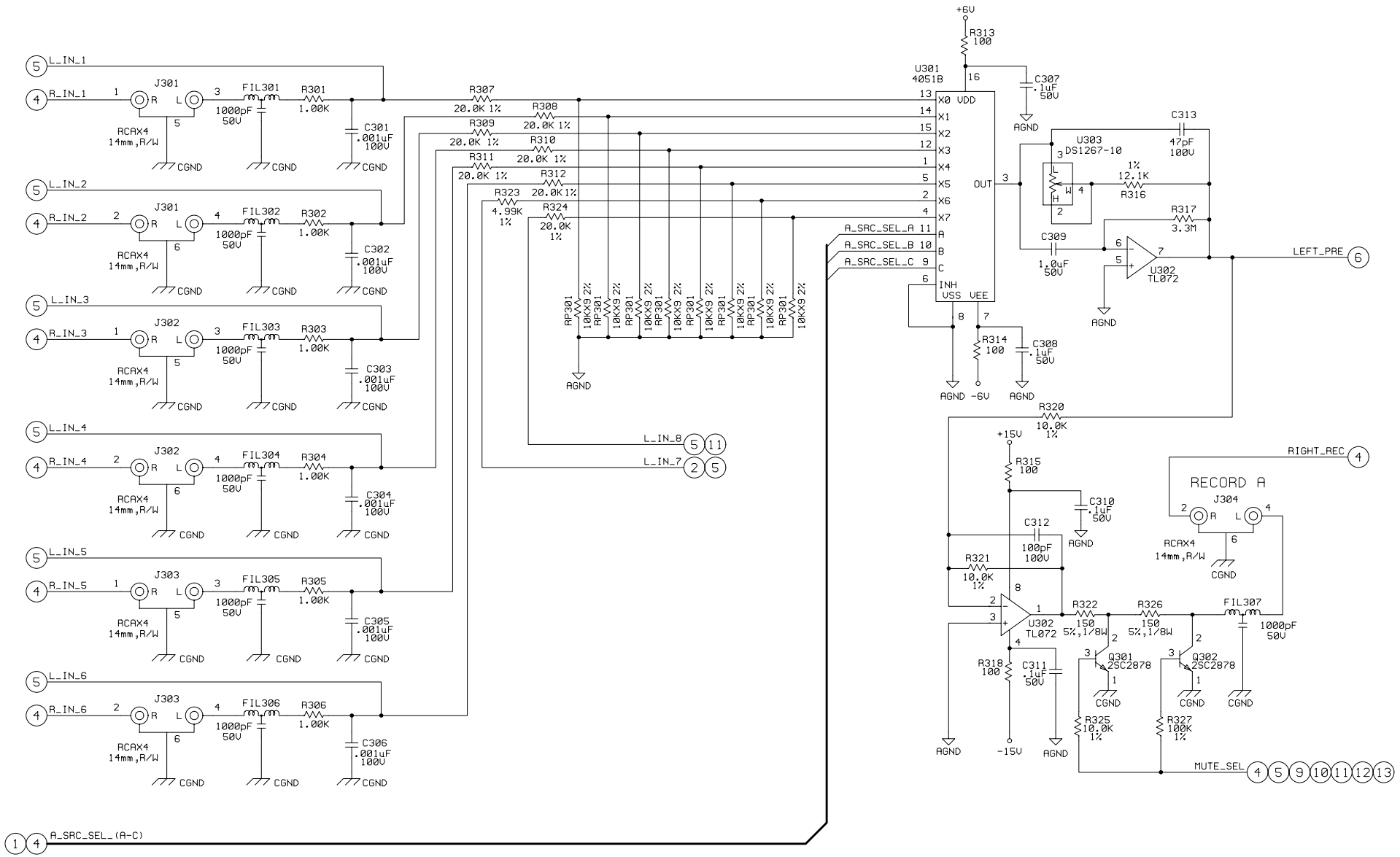

X301
18.432MHz
C301 27pF 100V
C302 27pF 100V
C307 .1uF 50V
U304
Z80180
XTAL
EXTAL
PHI
TXS
RXS/ CTSI
CKS
TXA0
CKA0/ DREQ0
RXA0
RTS0
CTS0
DCD0
TXA1
CKA1/ TEND0
RXA1
DREQ1
TEND1
RESET
NMI
INT0
INT1
INT2
BUSREQ
BUSACK
E
ST
RFSH
WAIT
HALT
TEST
VSS
VCC
D0
D1
D2
D3
D4
D5
D6
D7
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
A16
A17
A18/TOUT
A19
IORQ
MREQ
WR
RD
MI
U301
LTC485
R301 1.50K 1%,1/8W
R302 10
R303 150
R304 1.50K 1%,1/8W
C303 .1uF 50V
SERIAL_DATA
SERIAL_REC
SERIAL_CLK
RS_485+
RS_485-
RXD
TXD
R311 10K
R309 10K
R305 10K
R312 10K
Q301 2N3904
VOL_INT
IR_DATA
IR_IN
P301 1
P301 2
1X2
U309
74HC139
U305
27C020-12
U306
6264-100
U307
74HC138
U308
74HC138
U310
74HC86
U309
74HC139
D(0-7)
A(0-5)
UPP
PGM
NC
CE1
CE2
OE
WE
CS1
CS2
CS3
Y0
Y1
Y2
Y3
Y4
Y5
Y6
Y7
0X4000
0X4800
0X5000
0X5800
0X7000
0X7800
0X8000
0X8800
0X9000
0X9800
0XA000
0XA800
0XB000
0XB800
+5VPR
R307 12.1K 1%,1/8W
R308 2.21K 1%,1/8W
D302 1N4148
D303 1N4148
U303
UPS705
RESET
WDO
PFO
WDI
MR
PFI
VCC
GND
KICK_THE_DOG
BUFF_RESET
POWER_FAIL
C304 .1uF 50V
C305 .1uF 50V
C306 .1uF 50V
C308 10uF 6.3V,TAN
DGND
+5V
0X4800
CITATION 5.0
PROC,MEMORY,DECODE
DWG. NO.
05A-02036
REV.
04
SHEET 3 OF 8
CITATION 5.0 11-12-98 9:15 AM


L_IN_1
L_IN_2
L_IN_3
L_IN_4
L_IN_5
L_IN_6
L_IN_7
L_IN_8
OMIT
R501
R502
R503
R504
R505
R506
R530
R531
RP501
U501
4051B
A_REC_SEL_A
A_REC_SEL_B
A_REC_SEL_C
R517
R518
R519
R520
R521
R522
R523
R524
R525
R526
R527
R528
R529
R531
R532
R533
R534
R535
R536
R537
R538
R539
R540
R541
R542
R543
R544
R545
R546
R547
R548
R549
C501
C502
C503
C504
C505
C506
C507
C508
C509
C510
C511
C512
C513
C514
U502
U503
TL072
U504
U505
DS1267-10
D501
D502
1N4148
U505
BREC_LEV_CLK
BREC_LEV_DATA
BREC_LEV_LOAD
VCC
CLK
SOUT
DQ
RST
COUT
GND
VB
Q501
Q502
Q503
Q504
2SC2878
FIL501
FIL502
1000pF
50V
J304
RCAX4
14mm,R/W
RECORD B
MUTE_SEL
A_REC_SEL_(A-C)
+6V
-6V
+15V
-15V
AGND
CGND
CITATION 5.0
RECORD SELECT
DWG. NO.
05C-02036
REV.
06
SHEET 5 OF 13
CITATION 5.0 12-30-98 11:15 AM


R601 1.0M
X601 24.576MHz
C601 27pF 100V
C602 27pF 100V
DGND
TP605 CLK_256
R602 470
OMIT
C603 27pF 100V
CLK_256 7 8
U601
XTAL
EXTAL
CLK_OUT
CLK_IN
CLK_BUF_OUT
CLK_BUF_IN
SYNC
MASTER
BUS_A
BUS_B
BUS_C
BUS_D
TP601 TP602 TP603 TP604
BUFF_RESET
RESET_IN
RESET_OUT
OVER_FLOW
0X4000
RD
WR
A(0-5)
D(0-7)
UP_CS
UP_RD
UP_WR
UP_WR_OUT
UP_A0
UP_A1
UP_A2
UP_A3
UP_A4
UP_A5
UP_D0
UP_D1
UP_D2
UP_D3
UP_D4
UP_D5
UP_D6
UP_D7
INV_IN
INV_OUT
OR_IN1
OR_IN2
OR_OUT
TEST0
TEST1
TEST2
UP_ADR5NEG
SDISCII_ADA
DRAM_A0
DRAM_A1
DRAM_A2
DRAM_A3
DRAM_A4
DRAM_A5
DRAM_A6
DRAM_A7
DRAM_A8
DADR0
DADR1
DADR2
DADR3
DADR4
DADR5
DADR6
DADR7
DADR8
RP601 10KX9
DRAM_D0
DRAM_D1
DRAM_D2
DRAM_D3
DRAM_D4
DRAM_D5
DRAM_D6
DRAM_D7
DRAM_D8
DRAM_D9
DRAM_D10
DRAM_D11
DRAM_D12
DRAM_D13
DRAM_D14
DRAM_D15
DRAM_D16
DRAM_D17
DRAM_D18
DRAM_D19
DRAM_D20
DRAM_D21
DRAM_D22
DRAM_D23
DD0
DD1
DD2
DD3
DD4
DD5
DD6
DD7
DD8
DD9
DD10
DD11
DD12
DD13
DD14
DD15
DD16
DD17
DD18
DD19
DD20
DD21
DD22
DD23
I2S_IN0
I2S_IN1
LRCK
SCLK
I2S_OUT0
I2S_OUT1
I2S_OUT2
ADC_DATA
R603 470
R604 470
R605 470
C605 27pF 100V
C606 27pF 100V
C607 27pF 100V
+5VS
U602
U603
C608 .1uF 50V
C609 .1uF 50V
VCC
VSS
RAS
CAS
DWR
UW
LW
OE
NC
TC511664BZ-8
10KX9
FB602 T39
EMI601
C600 .1uF 50V
C610 .1uF 50V
10000pF 16V
C620 .1uF 50V
+C626 220uF 25V
+5VD
R607 470
C604 27pF 100V
LRCK 7 8
SCLK 7 8
DAC_DATA 8
CITATION 5.0
SDISC PROCESSOR
DWG. NO. 05A-02036
REV. 04
SHEET 6 OF 8
CITATION 5 @ 11-12-98 9:15 AM

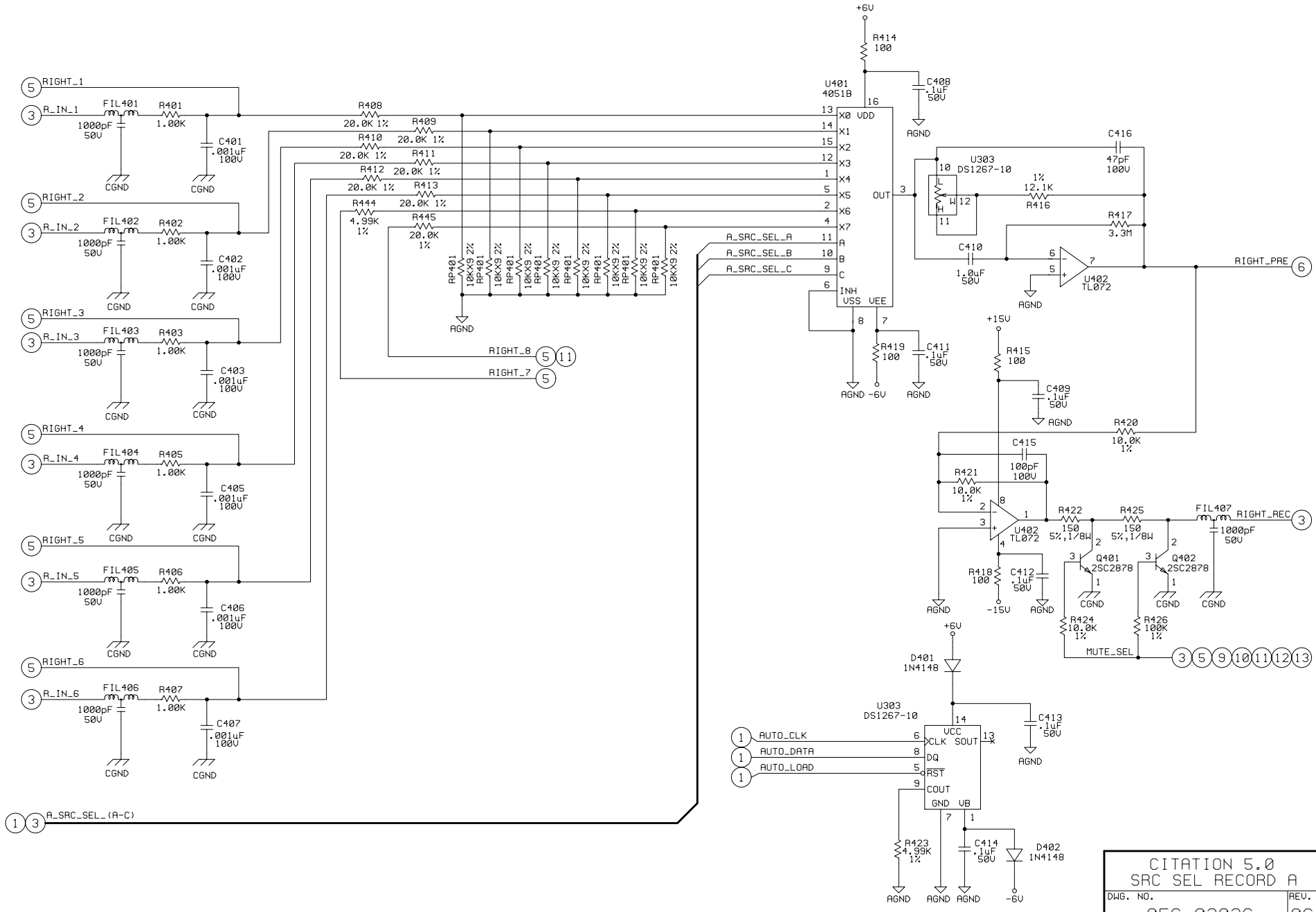

BACK_SEL
LB_DSP
DGND
ECO CHANGE GROUND ON DIGITAL PRE AMP
RB_DSP
ECO CHANGE GROUND ON DIGITAL PRE AMP
LB_OUT
LB_MATRIX
RB_OUT
RB_MATRIX
SIDE_SEL
DIF_EN
LFE_SUM
NOISE_EN
LB_HP
LB_MATRIX
NOISE_GATE
RB_HP
RB_MATRIX
LS_OUT
RS_OUT
OMIT
R882 0
U801 TL072
U802 TL072
U803 TL072
U804 TL072
U805 4053B
U806 4053B
U807 4053B
U809 TL072
U813 TL072
+15V
-15V
+6V
-6V
AGND
CITATION 5.0
SIDE/BACK SELECT
DWG. NO. 05C-02036
REV. 06
SHEET 8 OF 13
CITATION 5.0 12-30-98 11:15 AM


LS_OUT
RS_OUT
LF_MATRIX
CF_MATRIX
LB_MATRIX
RB_MATRIX
RF_MATRIX
L_IN_8
RIGHT_8
MUTE_SEL
VOLUME_CLK
VOLUME_DATA
VOLUME_LOAD
SIDES
J1101
U1101 OP249
U1102 LM1973
U1103 TL072
U1104 TL072
U905 LM1973
U1203 LM1973
Q1101 2SC2878
Q1102 2SC2878
Q1103 2SC2878
Q1104 2SC2878
FIL1101
FIL1102
RCAX4 14mm,R/W
+15V
-15V
+6V
-6V
AGND
CGND
CITATION 5.0
SIDE OUTPUT
DWG. NO.
05C-02036
REV.
06
SHEET 11 OF 13
CITATION 5.0 12-28-98 11:15 AM



CITATION 5.0 SRC SEL RECORD A	
DWG. NO. 05C-02036	REV. 06
SHEET 3 OF 13	

CITATION 5.0 12-30-98 11:15 AM

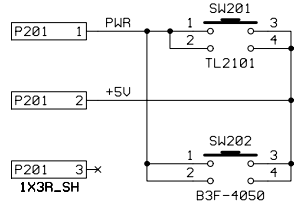


CITATION 5.0
SRC SEL RECORD A

DWG. NO.	REV.
05C-02036	06

SHEET 4 OF 13

CITATION 5.0 12-30-98 11:15 AM



SIGNATURE		DATE
DRAWN	DJ CLARK	12-5-96
DRFTG CHK		
PROJ MGR		

C5STBY00.SCH

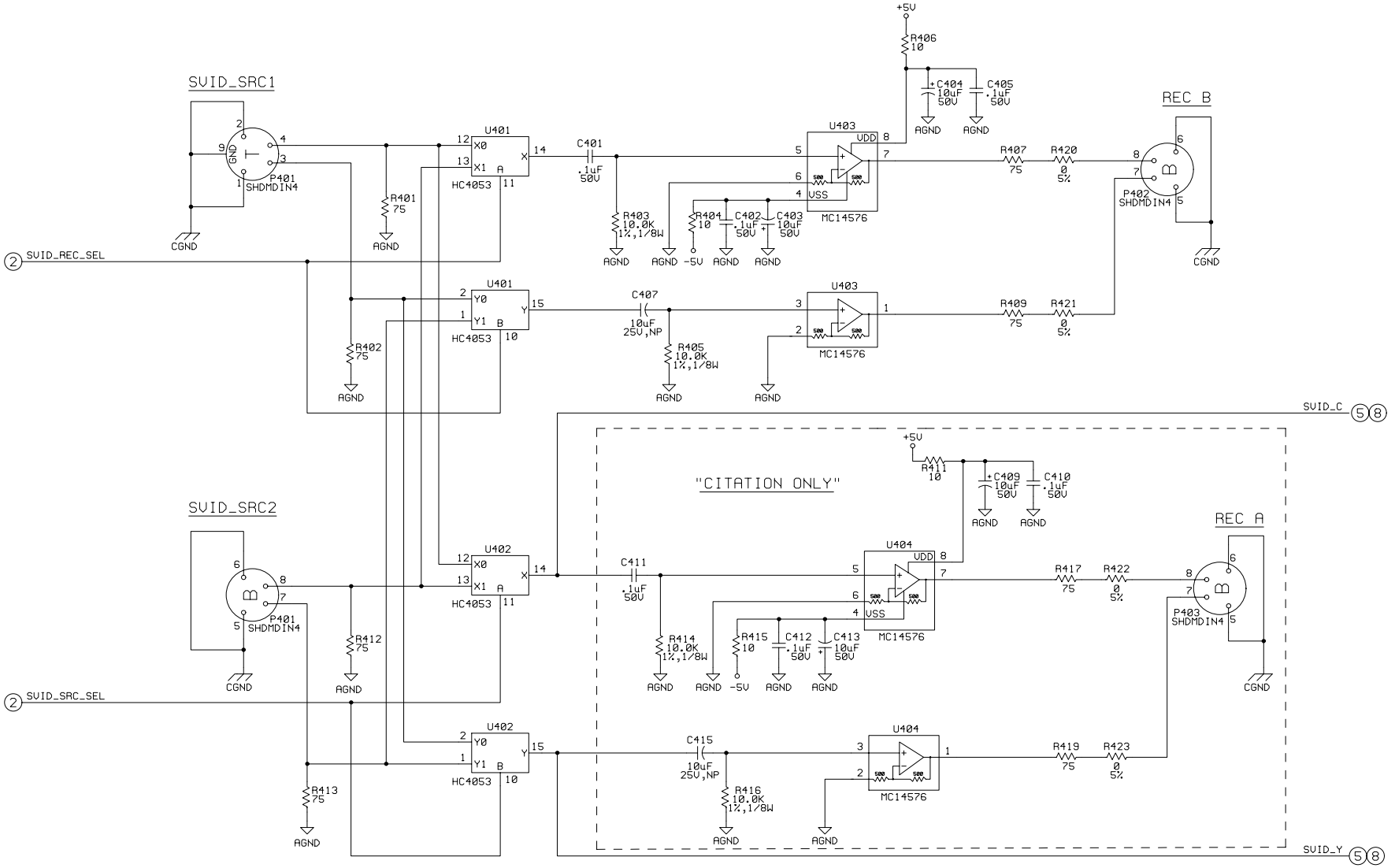
harman consumer group
digital entertainment product center
1308 Borregas Avenue
Sunnyvale, CA 94089-1001

CITATION 5.0
STANDBY

DWG. NO. 407-90000 REV. 00

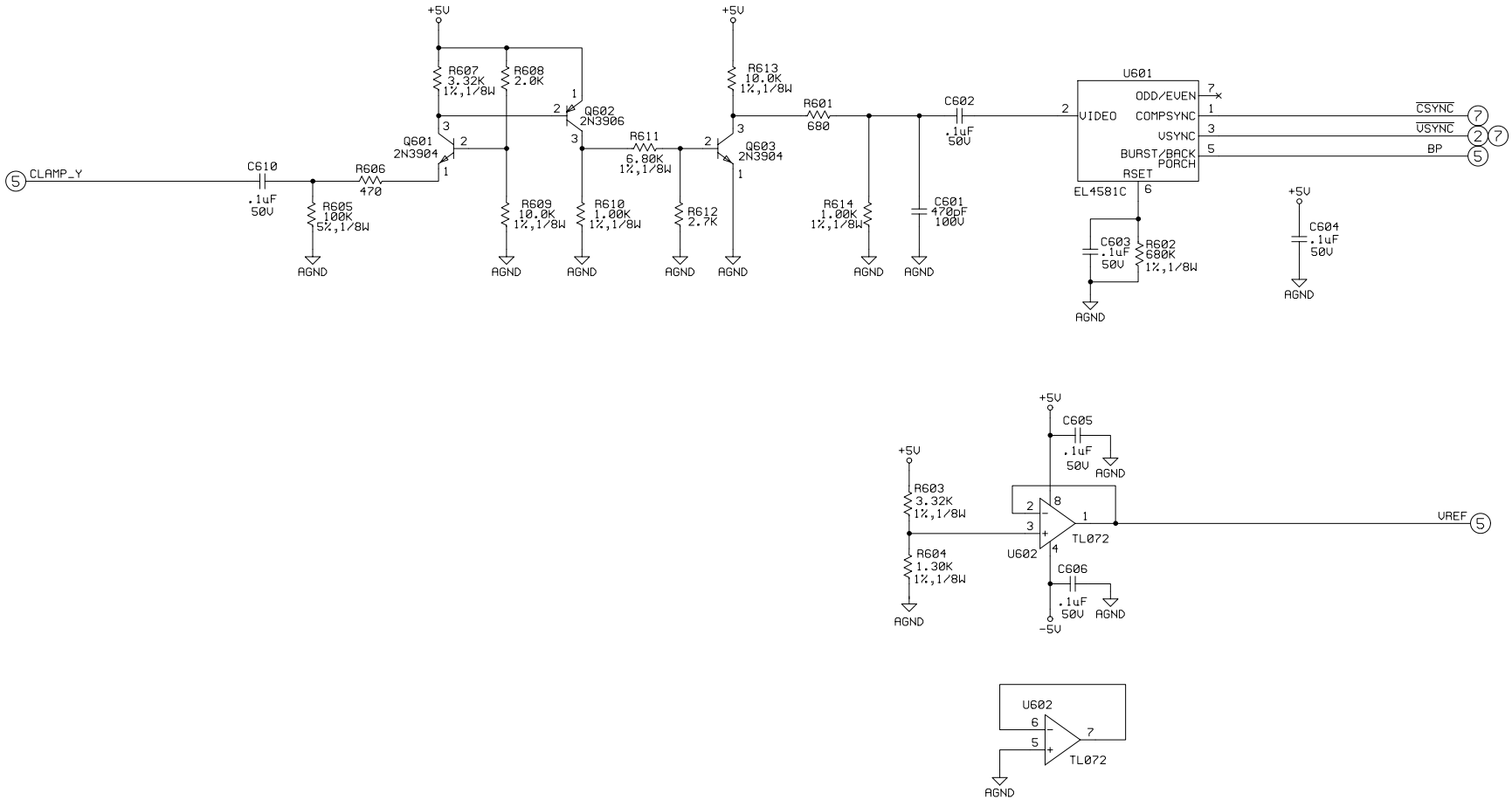
SHEET 1 OF 1

CITATION 5.0 3-21-97 2:00 PM



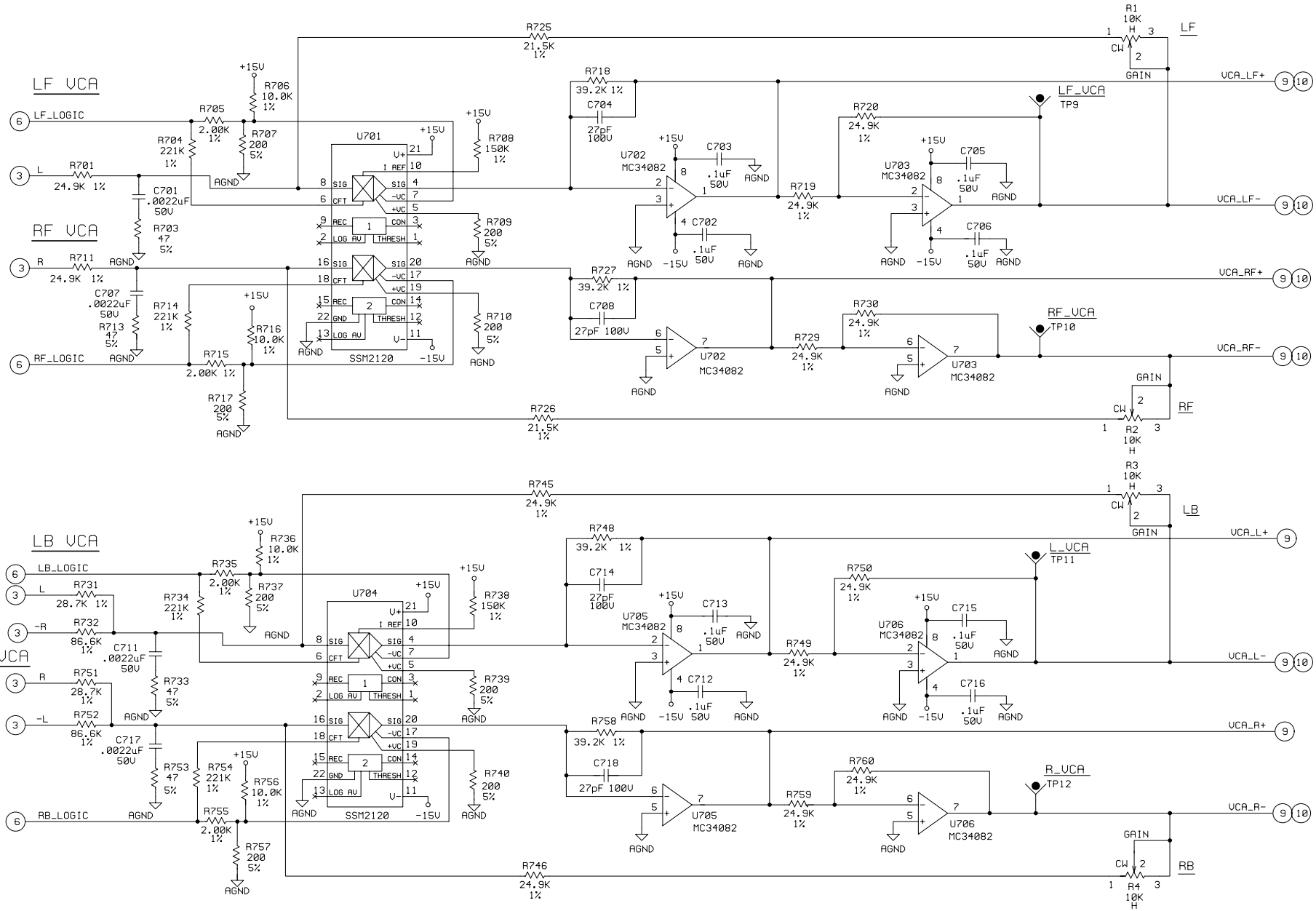
CITATION 5.0 SVHS REC/SRC SEL	
DWG. NO. 053-02036	REV. 05
SHEET 4 OF 9	

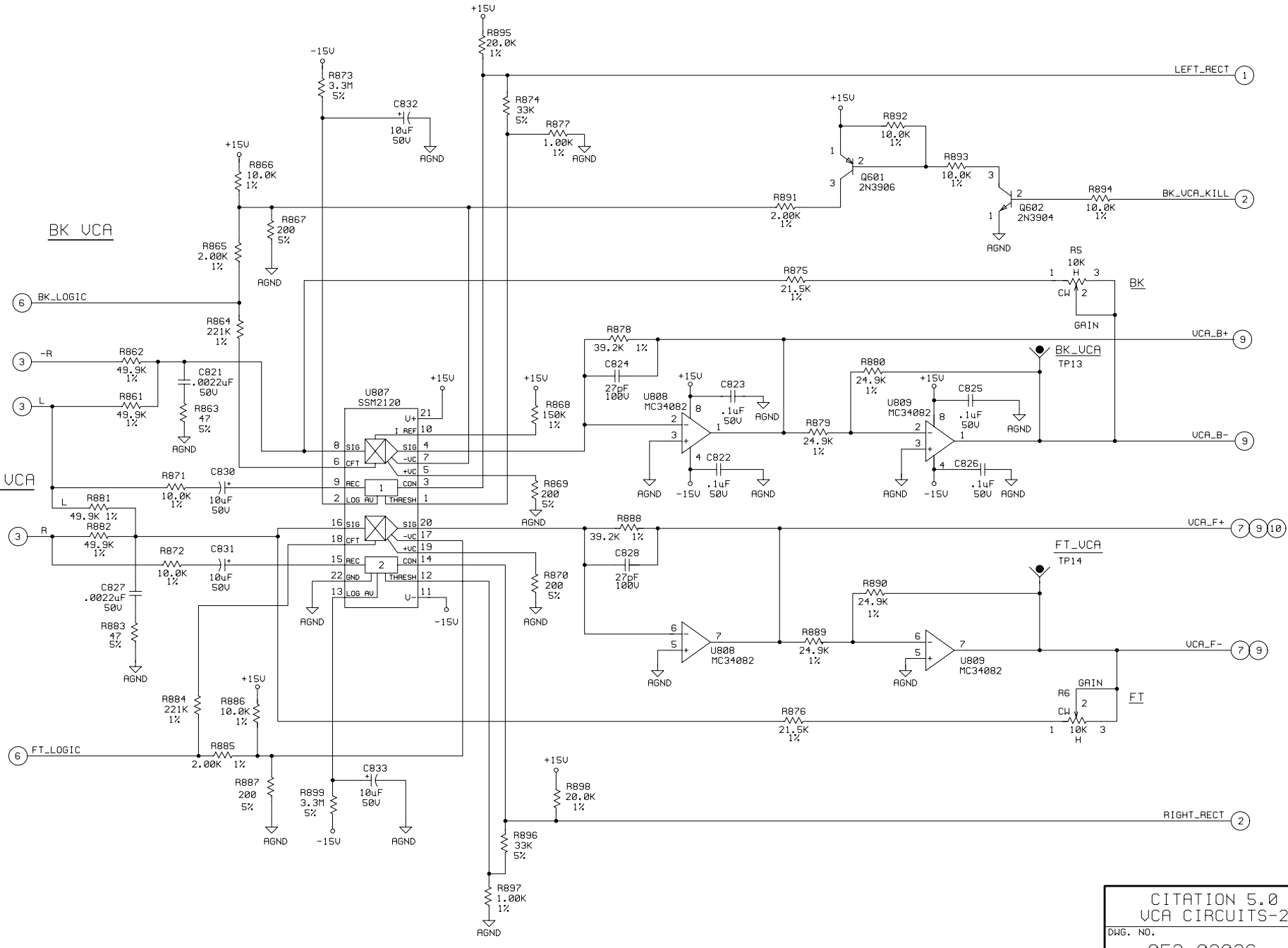
CITATION 5.0 4-27-98 1:40 PM



CITATION 5.0 SYNC SEPARATOR	
DWG. NO. 053-02036	REV. 05
SHEET 6 OF 9	

CITATION 5.0 4-27-98 1:40 PM


LF VCA
RF VCA
LB VCA
RB VCA
LF_LOGIC
RF_LOGIC
LB_LOGIC
RB_LOGIC
SSM2120
U701
U702 MC34082
U703 MC34082
U704
U705 MC34082
U706 MC34082
+15V
-15V
AGND
LF_VCA
RF_VCA
L_VCA
R_VCA
TP9
TP10
TP11
TP12
VCA_LF+
VCA_LF-
VCA_RF+
VCA_RF-
VCA_L+
VCA_L-
VCA_R+
VCA_R-
LF
RF
LB
RB
GAIN
CW
CITATION 5.0
VCA CIRCUITS
DWG. NO. 052-02036
REV. 06
SHEET 7 OF 11
CITATION 5.0 11-12-98 12:30 P.M.

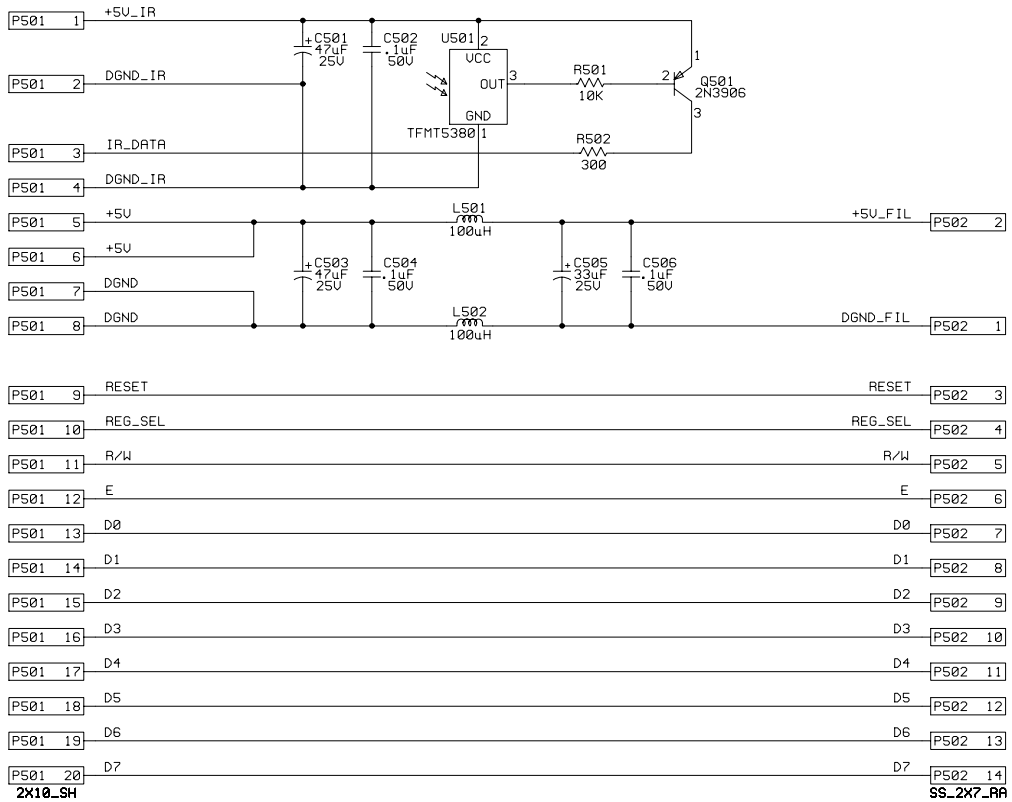


CITATION 5.0 VCA CIRCUITS-2

DWG. NO. 052-02036 REV. 06

SHEET 8 OF 11

CITATION 5.0 11-12-98 12:30 P.M.



SIGNATURE		DATE
DRAWN	DJ CLARK	12-11-96
DRFTG CHK		
PROJ MGR		

C5VFDR00.SCH

Harman Specialty Center
26046 Eden Landing Road
Hayward, CA 94545

CITATION 5.0
VFD/IR BOARD

DWG. NO. 056-95005 REV. 00

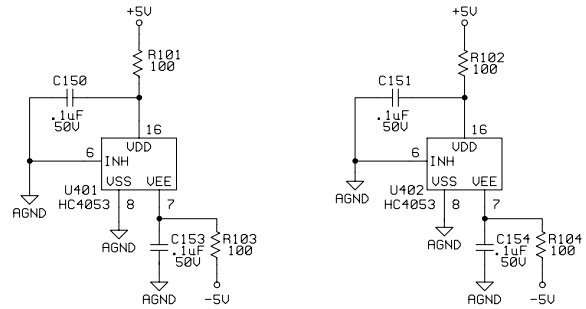
SHEET 1 OF 1

CITATION 5.0 5-15-97 1144 AM

NOTES:

1. FOR CAPACITOR TYPE SEE PARTS LIST.
2. ALL RESISTORS ARE 1/8W, 5% CARBON FILM, UNLESS OTHERWISE SPECIFIED.

UNUSED GATES



SIGNATURE		DATE
DRAWN	D.J.CLARK	11/12/96
DRFTG CHK		
PROJ MGR		
CSVID05.SCH		

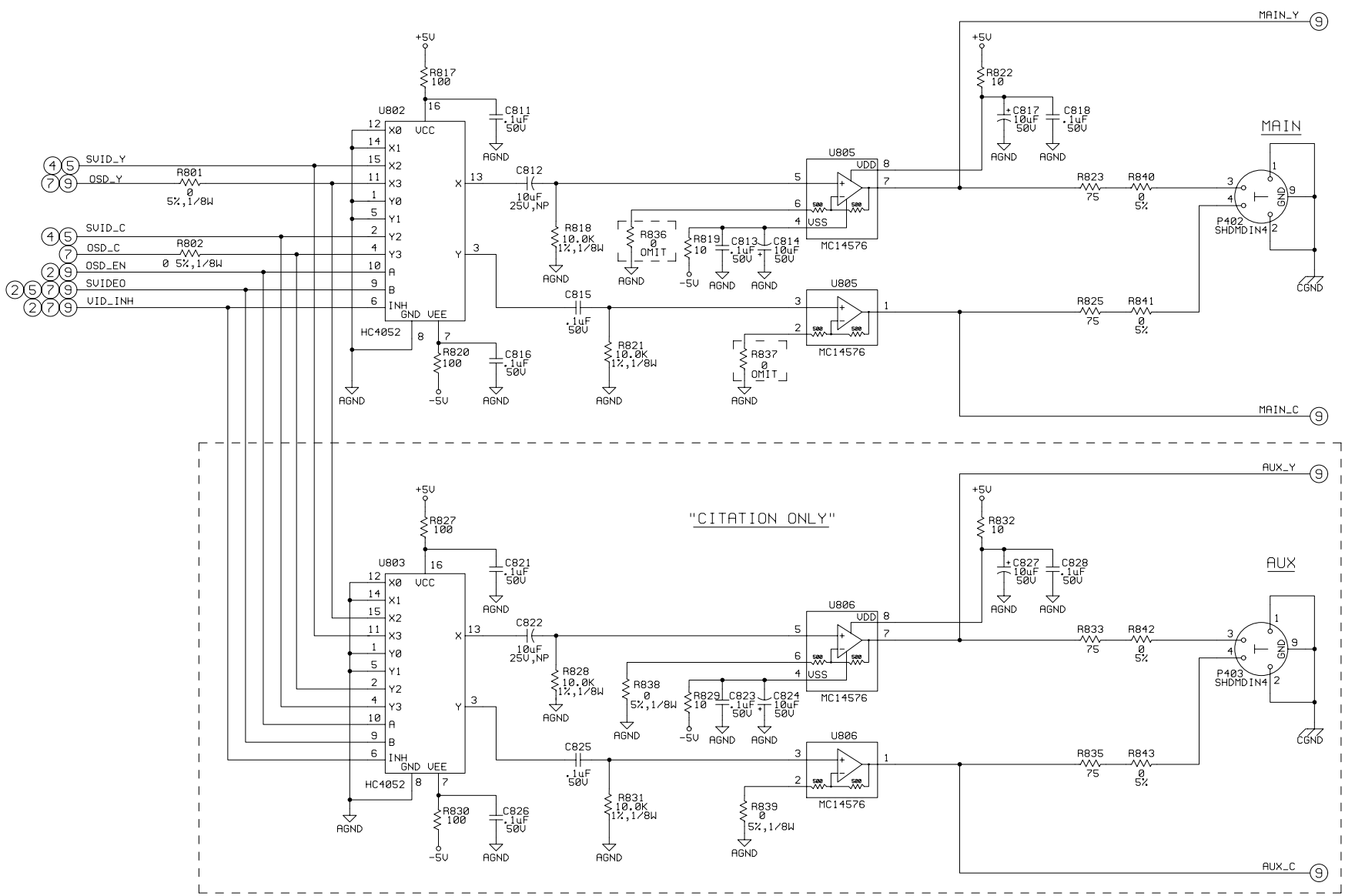
harman consumer group
digital entertainment product center
1308 Borregas Avenue
Sunnyvale, CA 94089-1001

CITATION 5.0
VIDEO BOARD

DWG. NO. 053-02036 REV. 05

SHEET 1 OF 9

CITATION 5.0 4-27-98 1:40 PM



CITATION 5.0 AUX/MAIN OUT	
DWG. NO. 053-02036	REV. 05
SHEET 8 OF 9	

CITATION 5.0 4-27-98 1:40 PM